STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL	1. WELL NAME and NUMBER: BONANZA 1023-6P3CS
2. TYPE OF WORK: DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○	3. FIELD OR WILDCAT: NATURAL BUTTES
4. TYPE OF WELL: Gas Well Coalbed Methane Well: NO	5. UNIT or COMMUNITIZATION AGREEMENT NAME
6. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. OPERATOR PHONE: 720 929-6007
8. ADDRESS OF OPERATOR: P.O. Box 173779, Denver, CO, 80217	9. OPERATOR E-MAIL: Kathy.SchneebeckDulnoan@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE): UTU38419	11. MINERAL OWNERSHIP: FEDERAL ◉ INDIAN ○ STATE ○ FEE ○
	12. SURFACE OWNERSHIP: FEDERAL ◉ INDIAN ○ STATE ○ FEE ○
13. NAME OF SURFACE OWNER (if box 12 = 'fee')	14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')	16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS: YES ◉ (Submit Commingling Application) NO ○
	19. SLANT: VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	158 FSL 2076 FEL	SWSE	6	10.0 S	23.0 E	S
Top of Uppermost Producing Zone	95 FSL 1250 FEL	SESE	6	10.0 S	23.0 E	S
At Total Depth	95 FSL 1250 FEL	SESE	6	10.0 S	23.0 E	S

21. COUNTY	22. DISTANCE TO NEAREST LEASE LINE (Feet)	23. NUMBER OF ACRES IN DRILLING UNIT
UINTAH	95	516
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed): 268	26. PROPOSED DEPTH: MD: 8580 TVD: 8455
27. ELEVATION - GROUND LEVEL: 5267	28. BOND NUMBER: WYB000291	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE: Permit #43-8496

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME: Gina Becker	TITLE: Regulatory Analyst II	PHONE: 720 929-6086
SIGNATURE	DATE: 01/04/2011	EMAIL: gina.becker@anadarko.com
API NUMBER ASSIGNED: 43047514780000	APPROVAL: Permit Manager	

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	7.875	4.5	0	8580		
Pipe	**Grade**	**Length**	**Weight**			
	Grade I-80 Buttress	0	11.6			

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	11	8.625	0	2060		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	0	28.0			

Kerr-McGee Oil & Gas Onshore. L.P.

BONANZA 1023-6P3CS

Surface:	158 FSL / 2076 FEL	SWSE	Lot
BHL:	95 FSL / 1250 FEL	SESE	Lot

Section 6 T10S R23E

Unitah, Utah
Mineral Lease: UTU-38419

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. & 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Formation	Depth	Resource
Uinta	0 - Surface	
Green River	1203	
Birds Nest	1456	Water
Mahogany	1814	Water
Wasatch	4185	Gas
Mesaverde	6294	Gas
MVU2	7280	Gas
MVL1	7816	Gas
TVD	8455	
MD	8580	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program

6. **Evaluation Program:**

Please refer to the attached Drilling Program

7. Abnormal Conditions:

Maximum anticipated bottom hole pressure calculated at 8,455' TVD, approximately equals 5,180 psi (calculated at 0.61 psi/foot).

Maximum anticipated surface pressure equals approximately 3,320 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.
Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated* with air drilling.

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background
In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 11 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 8-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and

on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Variance for FIT Requirements
KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). The air rig operation utilizes a 5M BOPE when drilling. This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion
The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.

'APIWellNo:43047514780000'

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	December 30, 2010	
WELL NAME	**BONANZA 1023-6P3CS**		TD	8,455' TVD	8,580' MD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,265'
SURFACE LOCATION	SWSE	158 FSL	2076 FEL	Sec 6	T 10S R 23E
	Latitude: 39.971123	Longitude: -109.367523			NAD 83
BTM HOLE LOCATION	SESE	95 FSL	1250 FEL	Sec 6	T 10S R 23E
	Latitude: 39.970951	Longitude: -109.364576			NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			11"	8-5/8", 28#, IJ-55, LTC	Air mist

All water flows encountered while drilling will be reported to the appropriate agencies.

Green River @	1,203'
Top of Birds Nest @	1,456'
Mahogany @	1,814'
Preset f/ GL @	2,060' MD

Note: 11" surface hole will usually be drilled ±400' below the lost circulation zone (aka bird's nest). Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.

Wasatch @	4,185'
Mverde @	6,294' TVD
MVU2 @	7,280' TVD
MVU1 @	7,816' TVD
TD @	8,455' TVD / 8,580' MD

Mud logging program TBD
Cased hole logging program from TD - surf csg

Max anticipated Mud required 12.0 ppg

7-7/8"	4-1/2" 11.6# I-80 or equivalent BTC csg	Water / Fresh Water Mud 8.3-12.0 ppg

'APIWellNo:43047514780000'

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3,390	1,880	348,000
SURFACE	8-5/8"	0 to 2,060	28.00	IJ-55	LTC	0.98	1.95	5.97
						7,780	6,350	278,000
PRODUCTION	4-1/2"	0 to 8,580	11.60	I-80	BTC	2.28	1.20	3.20

*Burst on suface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.61

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 12.0 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,320 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 12.0 ppg) 0.61 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 5,180 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	180	60%	15.80	1.15
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	270	0%	15.80	1.15
			+ 2% CaCl + 0.25 pps flocele				
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1,560'	65/35 Poz + 6% Gel + 10 pps gilsonite	150	35%	11.00	3.82
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	150	35%	15.80	1.15
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	3,680'	Premium Lite II +0.25 pps	270	10%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	4,900'	50/50 Poz/G + 10% salt + 2% gel	950	10%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

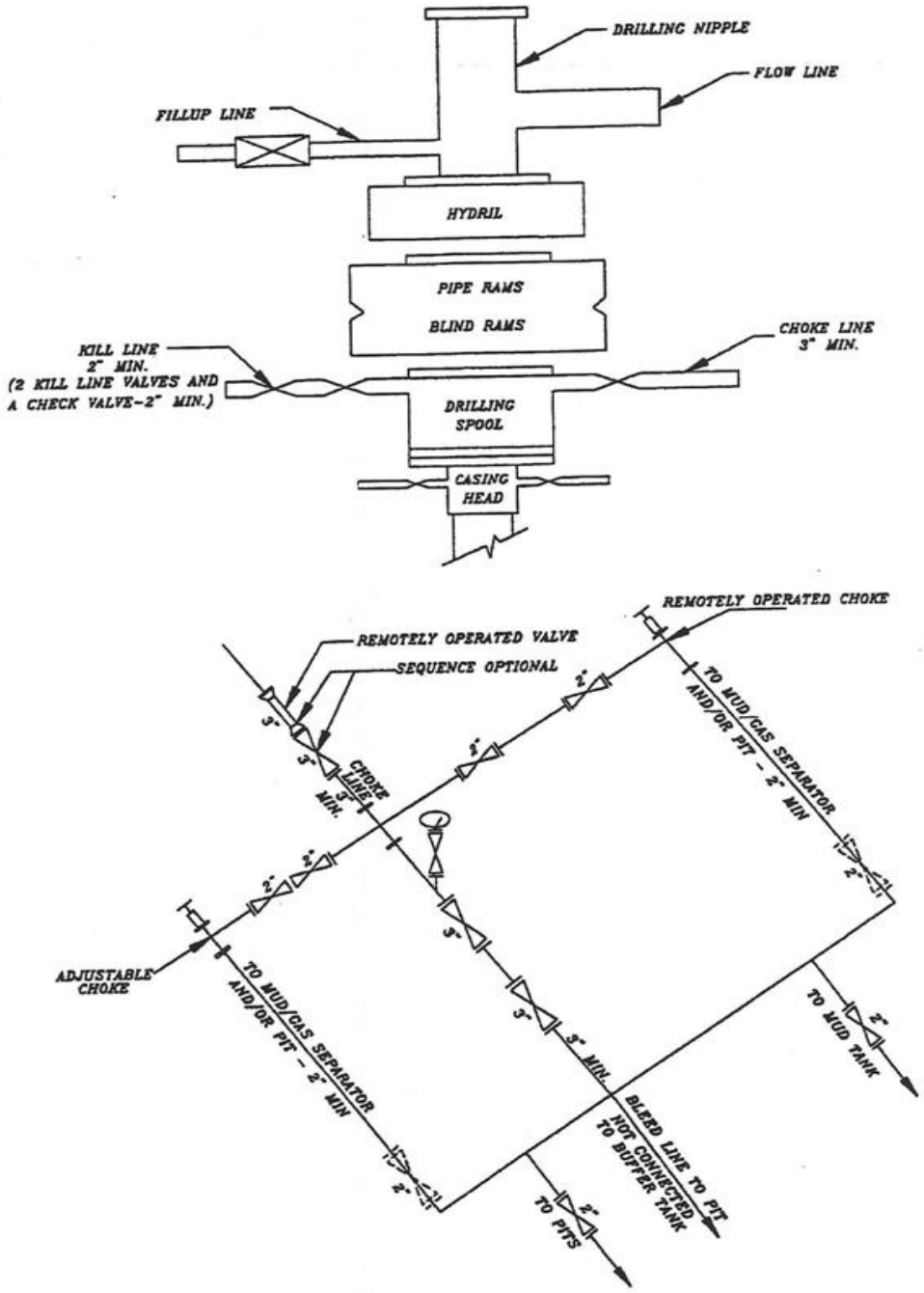
Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____
Emile Goodwin / Perry Daughtrey

DRILLING SUPERINTENDENT: _____ **DATE:** _____
John Merkel / Lovel Young

'APIWellNo:43047514780000'

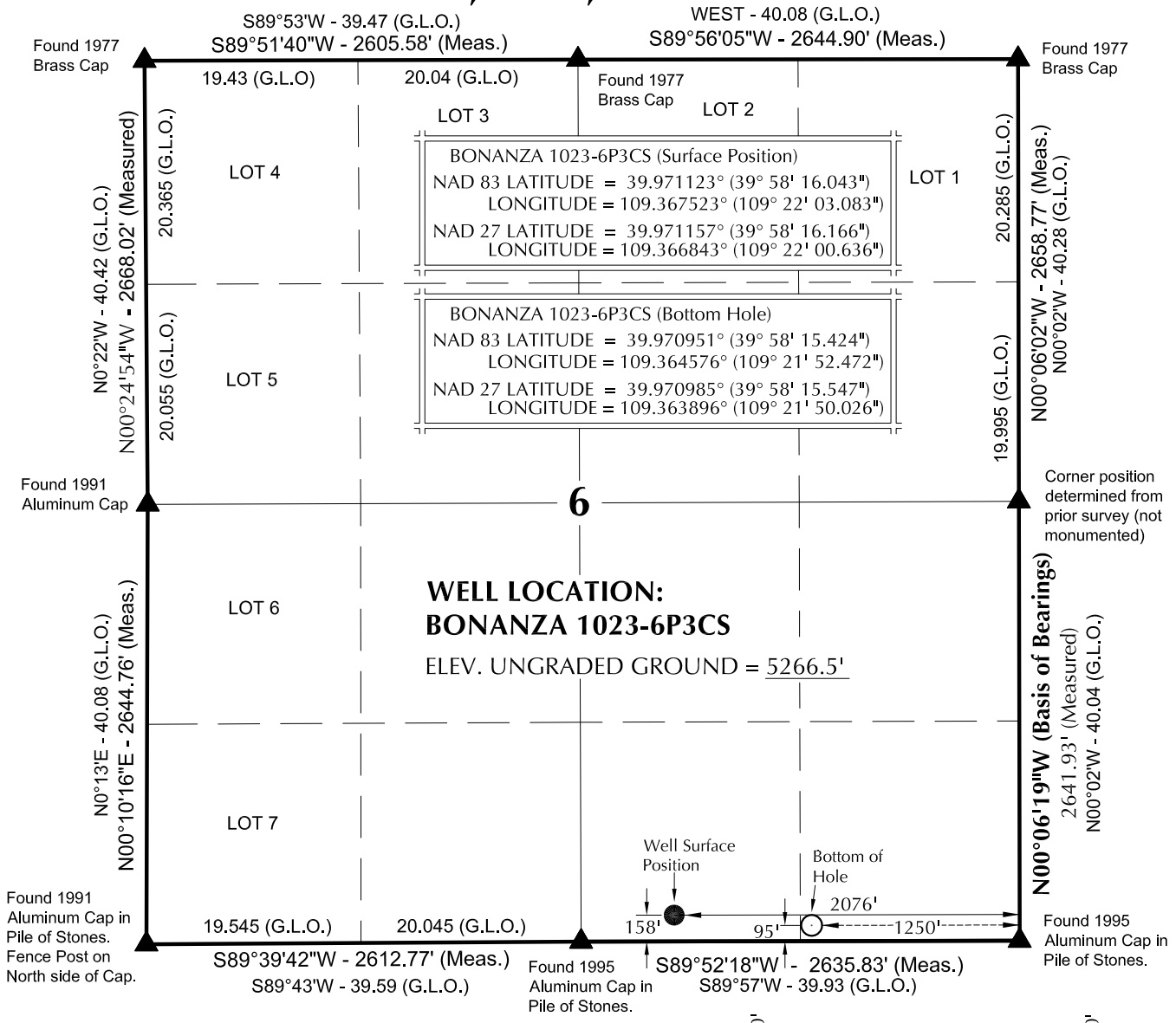
EXHIBIT A
BONANZA 1023-6P3CS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

'APIWellNo:43047514780000'

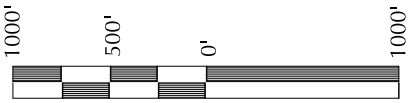
T10S, R23E, S.L.B.&M.



NOTES:

▲ = Section Corners Located

1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
3. The Bottom of hole bears S85°43'49"E 828.67' from the Surface Position.
4. Bearings are based on Global Positioning Satellite observations.
5. Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



SCALE

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR No.6028691 JOHN R SLAUGH STATE OF UTAH

PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD: BONANZA 1023-6O

BONANZA 1023-6P3CS
WELL PLAT
95' FSL, 1250' FEL (Bottom Hole)
SE ¼ SE ¼ OF SECTION 6, T10S, R23E, S.L.B.&M., UINTAH COUNTY, UTAH.

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

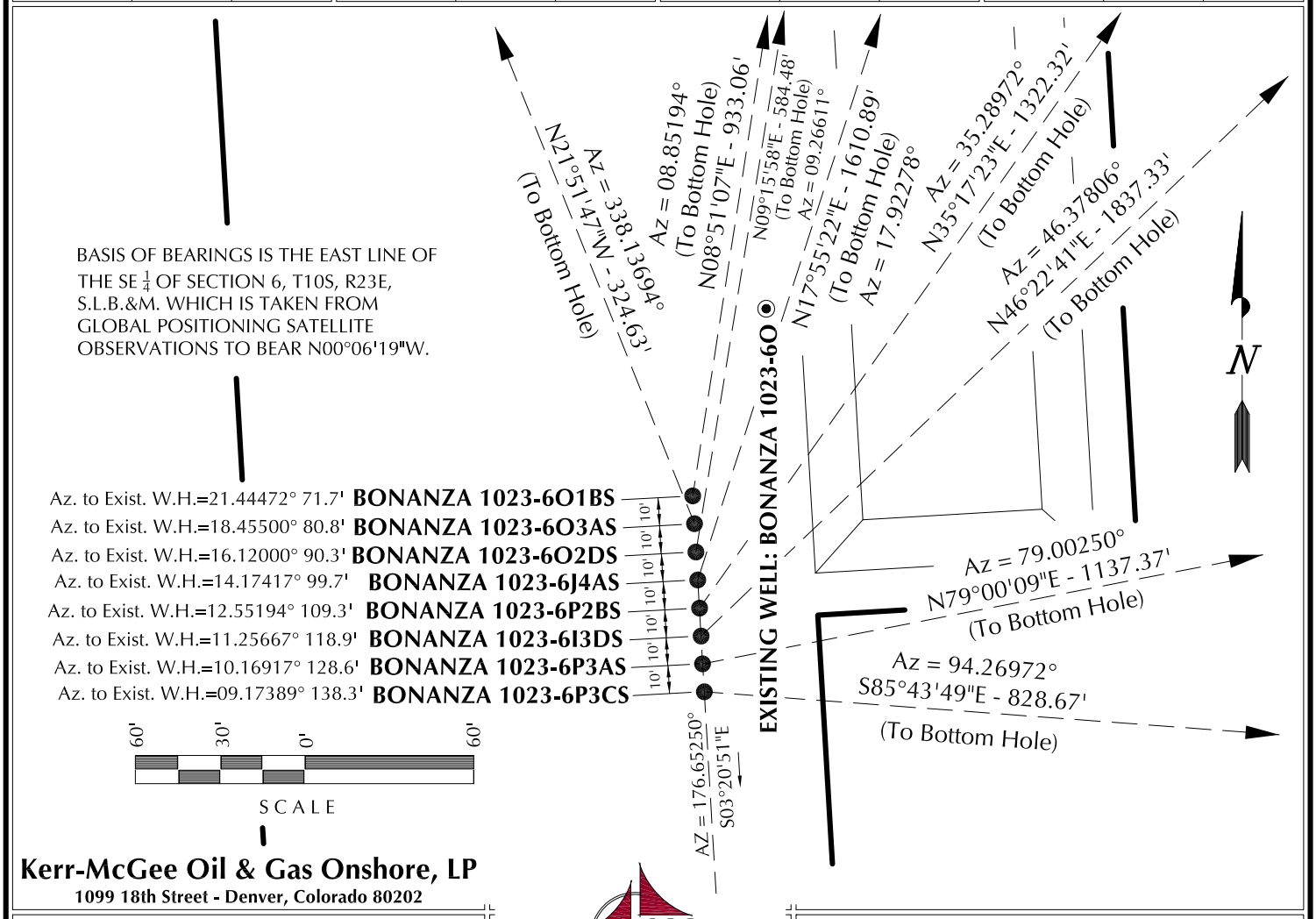
DATE SURVEYED: 03-09-10	SURVEYED BY: D.J.S.	SHEET NO: 1
DATE DRAWN: 03-12-10	DRAWN BY: K.H.G.	
SCALE: 1" = 1000'	Date Last Revised:	1 OF 20

'APIWellNo:43047514780000'

WELL NAME	SURFACE POSITION					BOTTOM HOLE				
	NAD83		NAD27			NAD83		NAD27		
	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE	FOOTAGES	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE	FOOTAGES
BONANZA 1023-6P3CS	39°58'16.043" 39.971123°	109°22'03.083" 109.367523°	39°58'16.166" 39.971157°	109°22'00.636" 109.366843°	158' FSL 2076' FEL	39°58'15.424" 39.970951°	109°21'52.472" 109.364576°	39°58'15.547" 39.970985°	109°21'50.026" 109.363896°	95' FSL 1250' FEL
BONANZA 1023-6P3AS	39°58'16.142" 39.971150°	109°22'03.091" 109.367525°	39°58'16.264" 39.971185°	109°22'00.644" 109.366846°	169' FSL 2077' FEL	39°58'18.273" 39.971743°	109°21'48.751" 109.363542°	39°58'18.396" 39.971777°	109°21'46.305" 109.362863°	383' FSL 960' FEL
BONANZA 1023-6I3DS	39°58'16.239" 39.971178°	109°22'03.097" 109.367527°	39°58'16.362" 39.971212°	109°22'00.651" 109.366848°	178' FSL 2077' FEL	39°58'28.748" 39.974652°	109°21'46.000" 109.362778°	39°58'28.871" 39.974686°	109°21'43.554" 109.362098°	1443' FSL 745' FEL
BONANZA 1023-6P2BS	39°58'16.338" 39.971205°	109°22'03.104" 109.367529°	39°58'16.461" 39.971239°	109°22'00.658" 109.366849°	188' FSL 2078' FEL	39°58'26.993" 39.974165°	109°21'53.279" 109.364800°	39°58'27.116" 39.974199°	109°21'50.833" 109.364120°	1266' FSL 1312' FEL
BONANZA 1023-6J4AS	39°58'16.437" 39.971232°	109°22'03.112" 109.367531°	39°58'16.560" 39.971267°	109°22'00.666" 109.366852°	198' FSL 2079' FEL	39°58'31.574" 39.975437°	109°21'56.725" 109.365757°	39°58'31.697" 39.975471°	109°21'54.279" 109.365077°	1730' FSL 1580' FEL
BONANZA 1023-6O2DS	39°58'16.535" 39.971260°	109°22'03.121" 109.367534°	39°58'16.658" 39.971294°	109°22'00.674" 109.366854°	208' FSL 2079' FEL	39°58'22.233" 39.972843°	109°22'01.904" 109.367196°	39°58'22.356" 39.972877°	109°21'59.458" 109.366516°	785' FSL 1984' FEL
BONANZA 1023-6O3AS	39°58'16.635" 39.971287°	109°22'03.127" 109.367535°	39°58'16.758" 39.971322°	109°22'00.681" 109.366856°	218' FSL 2080' FEL	39°58'19.613" 39.972115°	109°22'04.675" 109.367965°	39°58'19.736" 39.972149°	109°22'02.229" 109.367286°	520' FSL 2200' FEL
BONANZA 1023-6O1BS	39°58'16.733" 39.971315°	109°22'03.135" 109.367537°	39°58'16.856" 39.971349°	109°22'00.689" 109.366858°	228' FSL 2080' FEL	39°58'25.840" 39.973844°	109°22'01.278" 109.367022°	39°58'25.963" 39.973879°	109°21'58.832" 109.366342°	1150' FSL 1935' FEL
BONANZA 1023-6O	39°58'17.391" 39.971498°	109°22'02.798" 109.367444°	39°58'17.514" 39.971532°	109°22'00.351" 109.366764°	295' FSL 2054' FEL					

RELATIVE COORDINATES - From Surface Position to Bottom Hole

WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST
BONANZA 1023-6P3CS	-61.7'	826.4'	**BONANZA 1023-6P3AS**	217.0'	1116.5'	**BONANZA 1023-6I3DS**	1267.6'	1330.1'	**BONANZA 1023-6P2BS**	1079.3'	763.9'
WELL NAME	**NORTH**	**EAST**	**WELL NAME**	**NORTH**	**EAST**	**WELL NAME**	**NORTH**	**EAST**	**WELL NAME**	**NORTH**	**EAST**
BONANZA 1023-6J4AS	1532.7'	495.7'	**BONANZA 1023-6O2DS**	576.8'	94.1'	**BONANZA 1023-6O3AS**	301.3'	-120.9'	**BONANZA 1023-6O1BS**	921.9'	143.6'



Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-6O

WELL PAD INTERFERENCE PLAT
WELLS - BONANZA 1023-6P3CS, BONANZA 1023-6P3AS, BONANZA 1023-6I3DS, BONANZA 1023-6P2BS, BONANZA 1023-6J4AS, BONANZA 1023-6O2DS, BONANZA 1023-6O3AS, & BONANZA 1023-6O1BS
LOCATED IN SECTION 6, T10S, R23E, S.L.B.&M., UINTAH COUNTY, UTAH.

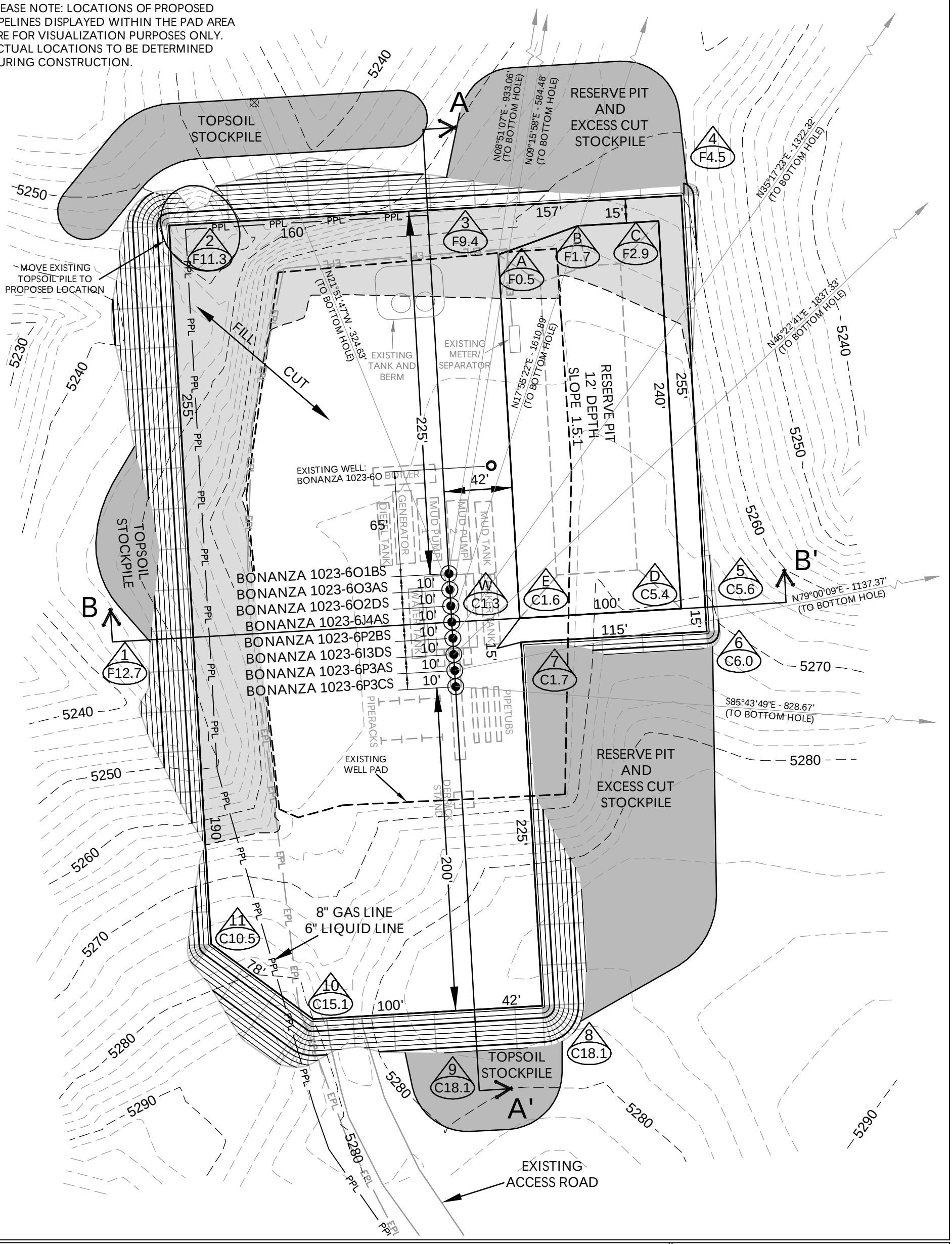
609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 03-09-10	SURVEYED BY: D.J.S.	SHEET NO: **9**
DATE DRAWN: 03-12-10	DRAWN BY: K.H.G.	9 OF 20
SCALE: 1" = 60'	Date Last Revised:	

'APIWellNo:43047514780000'

PLEASE NOTE: LOCATIONS OF PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.



WELL PAD - BONANZA 1023-6O DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 5266.3'
FINISHED GRADE ELEVATION = 5265.0'
CUT SLOPES = 1.5:1
FILL SLOPES = 1.5:1
TOTAL WELL PAD AREA = 3.65 ACRES
TOTAL DAMAGE AREA = 6.40 ACRES
SHRINKAGE FACTOR = 1.10
SWELL FACTOR = 1.00

WELL PAD QUANTITIES

TOTAL CUT FOR WELL PAD = 15,612 C.Y.
TOTAL FILL FOR WELL PAD = 14,543 C.Y.
TOPSOIL @ 6" DEPTH = 1,809 C.Y.
EXCESS MATERIAL = 1,069 C.Y.

RESERVE PIT QUANTITIES

TOTAL CUT FOR RESERVE PIT
+/- 7,610 CY
RESERVE PIT CAPACITY (2' OF FREEBOARD)
+/- 28,400 BARRELS

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PPL — PROPOSED PIPELINE
- EPL — EXISTING PIPELINE

HORIZONTAL 0 30 60 1" = 60'
2' CONTOURS

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-6O

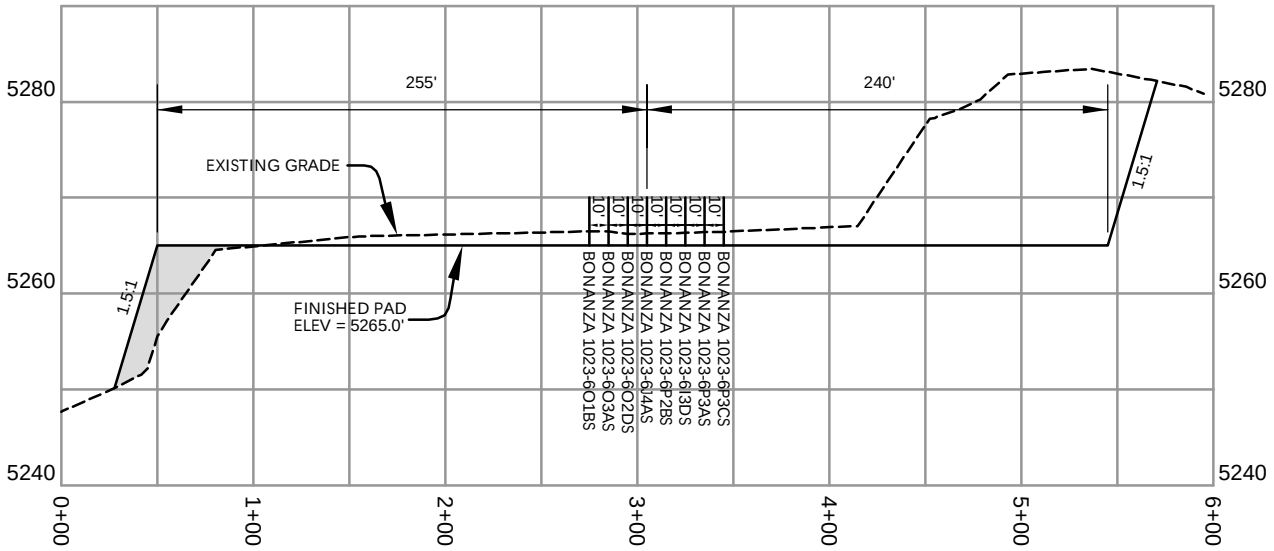
WELL PAD - LOCATION LAYOUT
BONANZA 1023-6P3CS, BONANZA 1023-6P3AS, BONANZA 1023-6I3DS, BONANZA 1023-6P2BS, BONANZA 1023-6J4AS, BONANZA 1023-6O2DS, BONANZA 1023-6O3AS & BONANZA 1023-6O1BS
LOCATED IN SECTION 6, T10S, R23E, S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

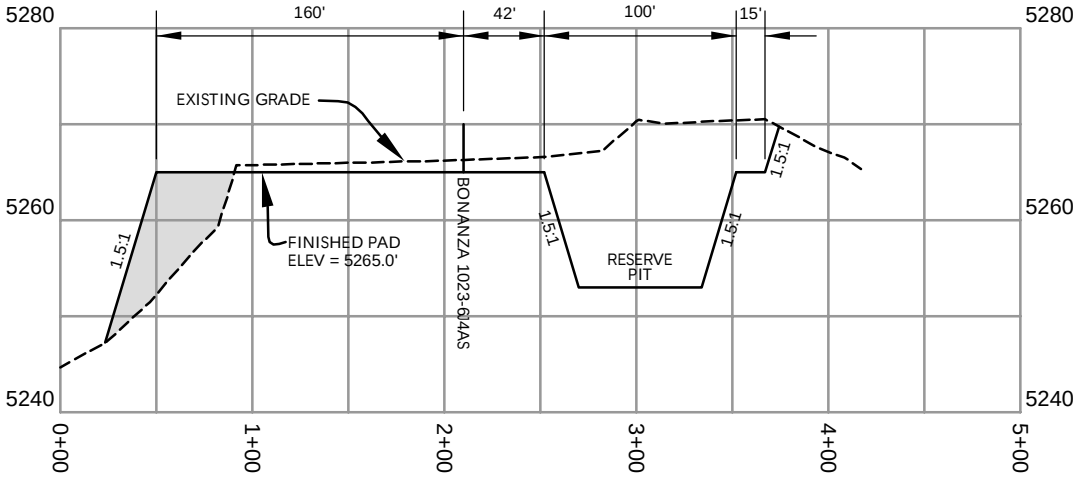
TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

Scale: 1"=60' | Date: 4/7/10 | SHEET NO: 10 10 OF 20
REVISED: JFE 8/6/10

K:\ANADARKO\2010_12_BON_FOCUS_SEC_6-1023\DWGS\BONANZA 1023-6O\BONANZA 1023-6O 20100723.dwg, 8/5/2010 11:41:55 PM



CROSS SECTION A-A'



CROSS SECTION B-B'

NOTE: CROSS SECTION B-B' DEPICTS MAXIMUM RESERVE PIT DEPTH.

HORIZONTAL 0 50 100 1" = 100'

VERTICAL 0 10 20 1" = 20'

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-6O

WELL PAD - CROSS SECTIONS
BONANZA 1023-6P3CS, BONANZA 1023-6P3AS,
BONANZA 1023-6I3DS, BONANZA 1023-6P2BS,
BONANZA 1023-6J4AS, BONANZA 1023-6O2DS,
BONANZA 1023-6O3AS & BONANZA 1023-6O1BS
LOCATED IN SECTION 6, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH

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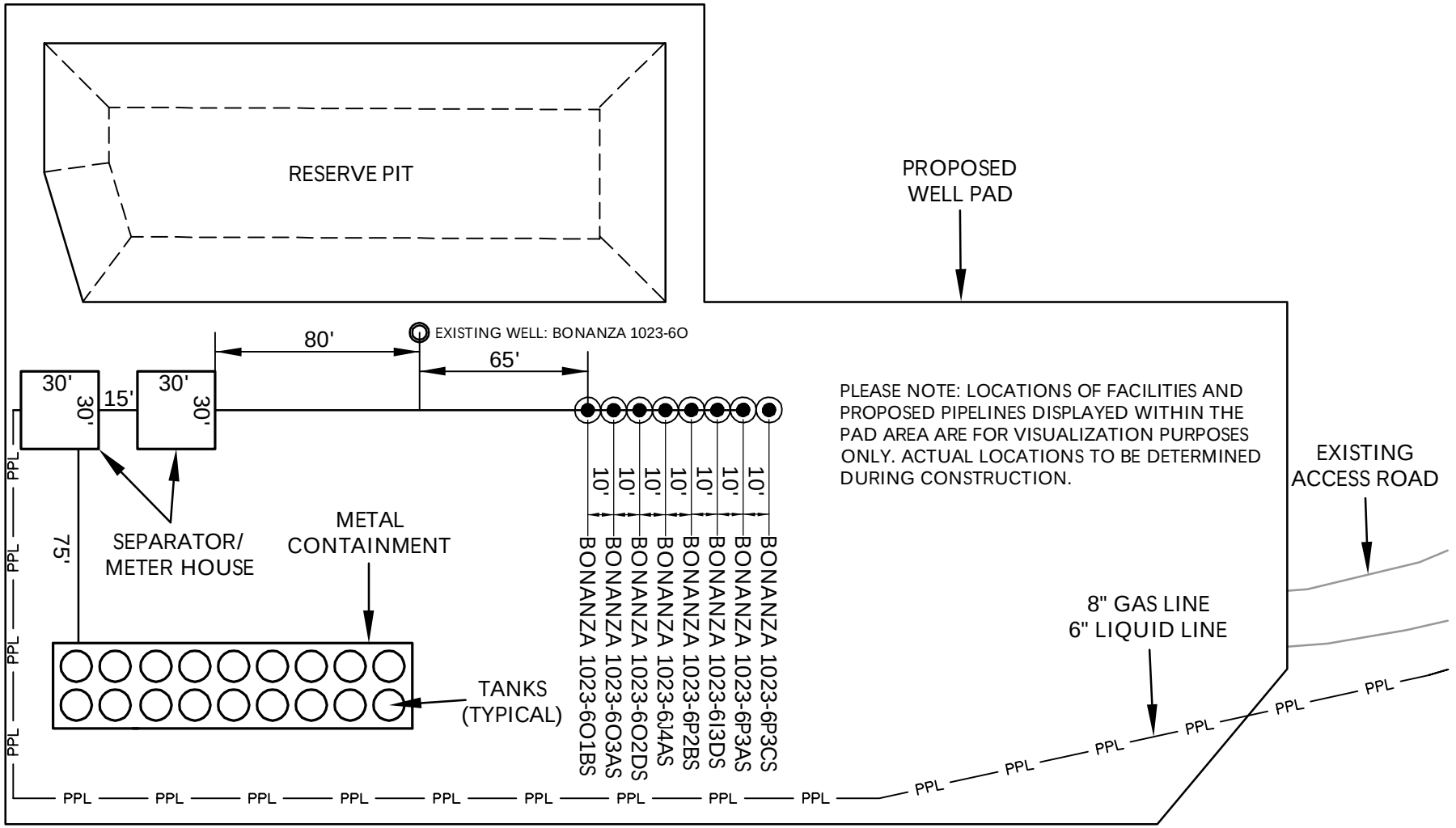
209 NORTH 300 WEST - VERNAL, UTAH 84078

Scale: 1"=100' | Date: 4/7/10 | SHEET NO: 11 11 OF 20
REVISED: JFE 8/6/10

'API WellNo:43047514780000'
K:\AA\DARKO\2010\0_12_BON_PCCDS_SEC_6-1023\DWGS\BONANZA 1023-6O\BONANZA 1023-6O 20100723.dwg, 8/5/2010 11:41:32 PM



Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-6O

WELL PAD - FACILITIES DIAGRAM
BONANZA 1023-6P3CS, BONANZA 1023-6P3AS,
BONANZA 1023-6I3DS, BONANZA 1023-6P2BS,
BONANZA 1023-6J4AS, BONANZA 1023-6O2DS,
BONANZA 1023-6O3AS & BONANZA 1023-6O1BS
LOCATED IN SECTION 6, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH

609
CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone 307-674-0609
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WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PPL — PROPOSED PIPELINE
- EPL — EXISTING PIPELINE

HORIZONTAL 0 30' 60' 1" = 60'

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

Scale:	1"=60'	Date:	4/7/10	SHEET NO:
REVISED:		JFE 8/6/10		12 12 OF 20

'API Well No: 43047514780000'

'APIWellNo:43047514780000'

PHOTO VIEW: FROM CORNER D TO LOCATION STAKES **CAMERA ANGLE: WESTERLY**

PHOTO VIEW: FROM EXISTING ACCESS ROAD **CAMERA ANGLE: NORTHERLY**

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-6O

LOCATION PHOTOS
BONANZA 1023-6P3CS, BONANZA 1023-6P3AS, BONANZA 1023-6I3DS, BONANZA 1023-6P2BS, BONANZA 1023-6J4AS, BONANZA 1023-6O2DS, BONANZA 1023-6O3AS & BONANZA 1023-6O1BS
LOCATED IN SECTION 6, T10S, R23E, S.L.B.&M., UINTAH COUNTY, UTAH.

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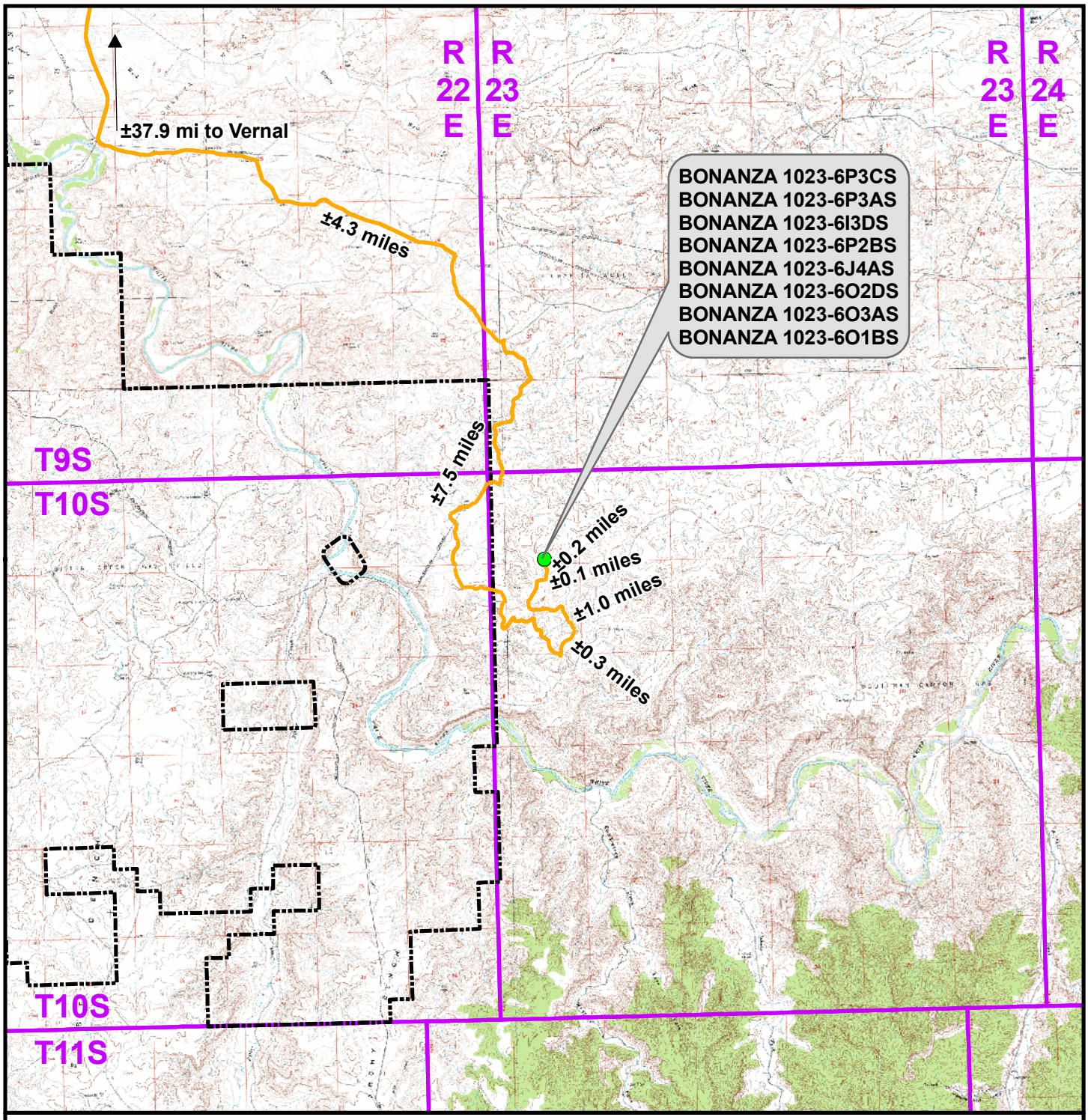
TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE PHOTOS TAKEN: 03-09-10	PHOTOS TAKEN BY: D.J.S.	SHEET NO: 13
DATE DRAWN: 03-12-10	DRAWN BY: K.H.G.	13 OF 20
Date Last Revised:		

'APIWellNo:43047514780000'



Legend

Distance From Well Pad - BONANZA 1023-6O To Unit Boundary: ±3,166ft

Proposed Well Location

Natural Buttes Unit Boundary

Access Route - Proposed

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-6O

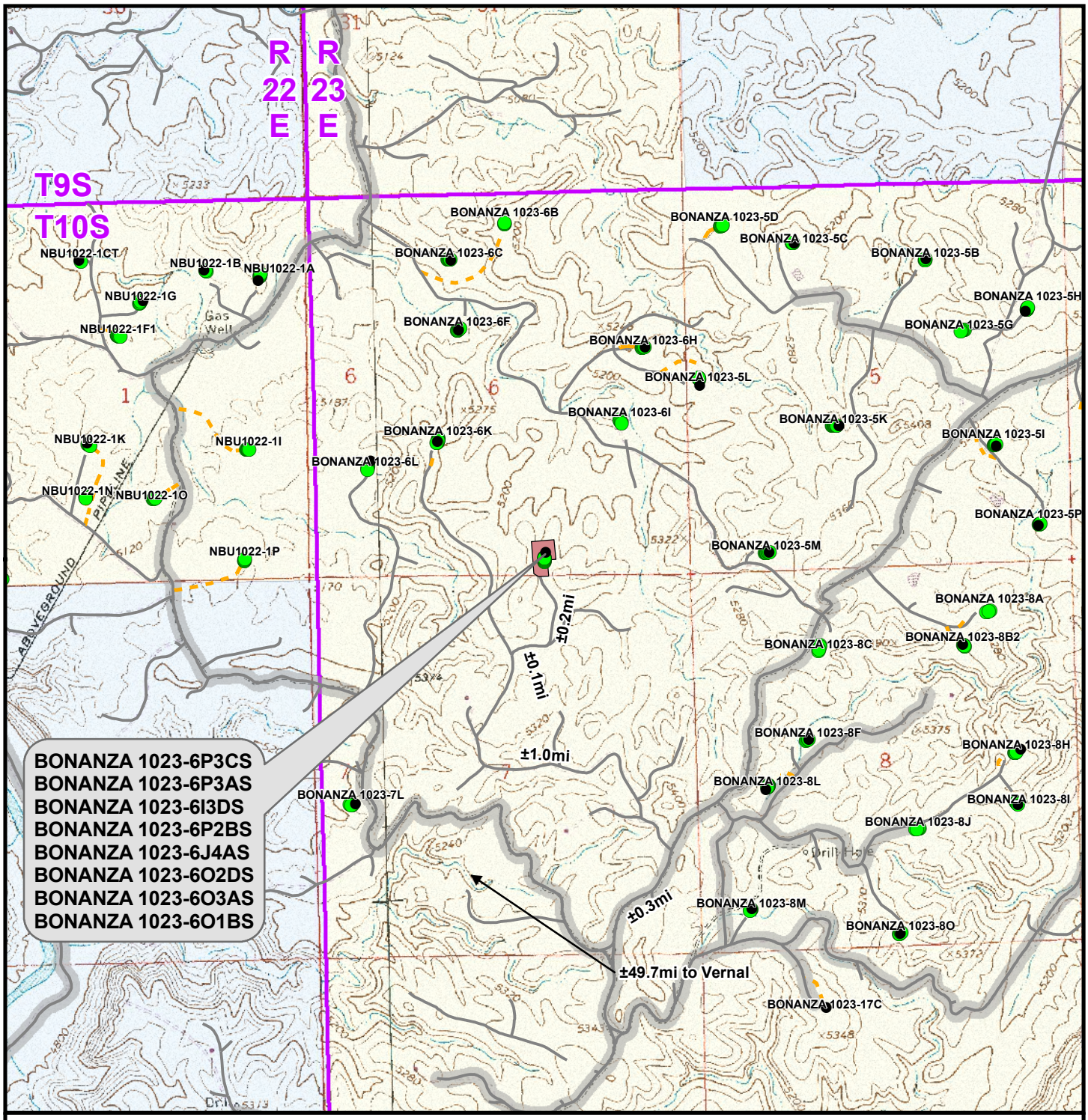
TOPO A
BONANZA 1023-6P3CS, BONANZA 1023-6P3AS,
BONANZA 1023-6I3DS, BONANZA 1023-6P2BS,
BONANZA 1023-6J4AS, BONANZA 1023-6O2DS,
BONANZA 1023-6O3AS, & BONANZA 1023-6O1BS
LOCATED IN SECTION 6, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1:100,000		NAD83 USP Central	Sheet No: 14 of 20
Drawn: TL	Date: 14 Apr 2010		
Revised: JID	Date: 6 Aug 2010		

'APIWellNo:43047514780000'



Legend

Total Proposed Road Length: ±0ft

- Well - Proposed
- Well - Existing
- Well Pad
- Road - Proposed
- Road - Existing
- County Road
- Bureau of Land Management
- Indian Reservation
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-6O

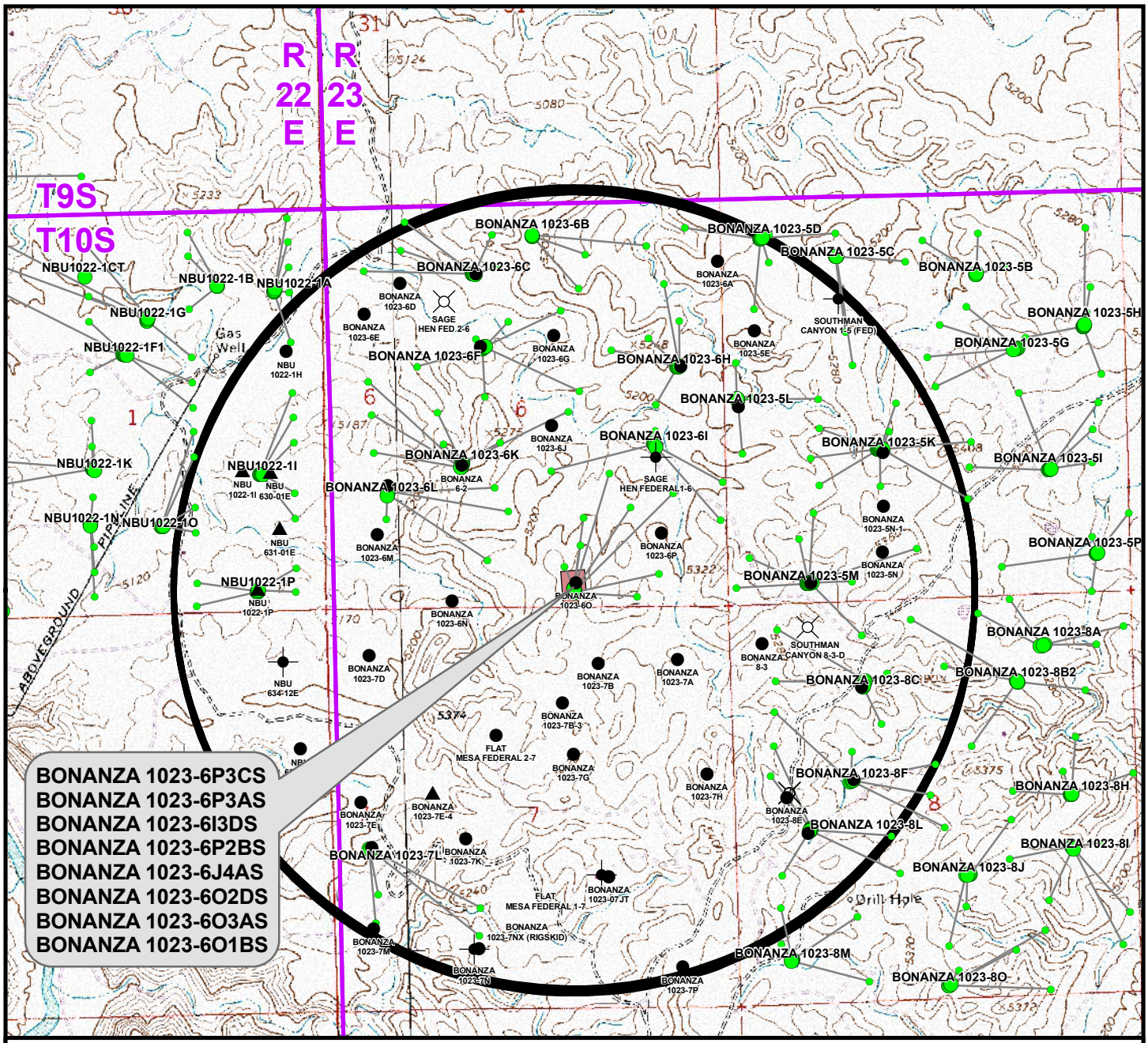
TOPO B
BONANZA 1023-6P3CS, BONANZA 1023-6P3AS,
BONANZA 1023-6I3DS, BONANZA 1023-6P2BS,
BONANZA 1023-6J4AS, BONANZA 1023-6O2DS,
BONANZA 1023-6O3AS, & BONANZA 1023-6O1BS
LOCATED IN SECTION 6, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No:	
Drawn: TL	Date: 14 Apr 2010	15	15 of 20
Revised: JID	Date: 6 Aug 2010		

'APIWellNo:43047514780000'



Proposed Well	Nearest Well Bore	Footage	Proposed Well	Nearest Well Bore	Footage
BONANZA 1023-6P3CS	BONANZA 1023-6O	828ft	BONANZA 1023-6J4AS	SAGE HEN FEDERAL 1-6	650ft
BONANZA 1023-6P3AS	BONANZA 1023-6P	543ft	BONANZA 1023-6O2DS	BONANZA 1023-6O	495ft
BONANZA 1023-6I3DS	SAGE HEN FEDERAL 1-6	528ft	BONANZA 1023-6O3AS	BONANZA 1023-6O	268ft
BONANZA 1023-6P2BS	BONANZA 1023-6P	530ft	BONANZA 1023-6O1BS	BONANZA 1023-6O	863ft

Legend

- Well - Proposed
- Bottom Hole - Proposed
- Well Path
- Well Pad
- Well - 1 Mile Radius

Well locations derived from State of Utah, Dept. of Natural Resources, Division of Oil, Gas and Mining

- Producing
- Active
- Spudded (Drilling commenced: Not yet completed)
- Approved permit (APD); not yet spudded
- New Permit (Not yet approved or drilled)
- Inactive
- Drilling Operations Suspended
- Temporarily-Abandoned
- Shut-In
- Plugged and Abandoned
- Location Abandoned
- Dry hole marker, buried
- Returned APD (Unapproved)

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-6O

TOPO C
BONANZA 1023-6P3CS, BONANZA 1023-6P3AS,
BONANZA 1023-6I3DS, BONANZA 1023-6P2BS,
BONANZA 1023-6J4AS, BONANZA 1023-6O2DS,
BONANZA 1023-6O3AS, & BONANZA 1023-6O1BS
LOCATED IN SECTION 6, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

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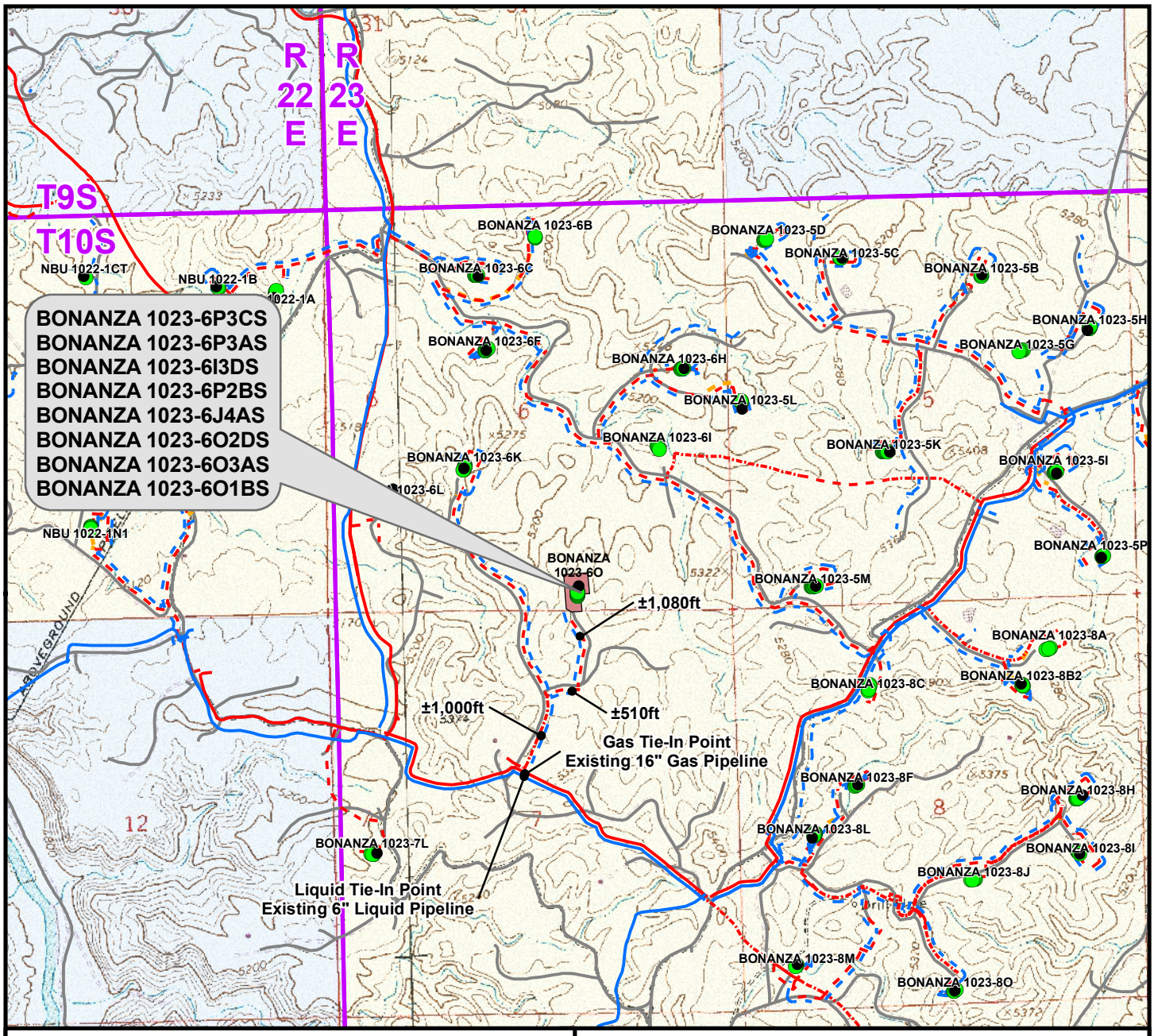
N

Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 16 of 20
Drawn: TL	Date: 14 Apr 2010	
Revised: JID	Date: 6 Aug 2010	

'APIWellNo:43047514780000'



Proposed Liquid Pipeline	Length
Proposed 6" (First Meter House to Edge of Pad)	±610ft
Proposed 6" (Edge of Pad to Existing 6")	±2,590ft
TOTAL PROPOSED LIQUID PIPELINE =	± 3,200ft

Proposed Gas Pipeline	Length
Proposed 8" (First Meter House to Edge of Pad)	±610ft
Proposed 8" (Edge of Pad to 6K Intersection)	±1,590ft
Proposed 12" (6K Intersection to Existing 16")	±1,000ft
TOTAL PROPOSED GAS PIPELINE =	±3,200ft

Legend

- Well - Proposed
- Well - Existing
- Well Pad
- Gas Pipeline - Proposed
- Gas Pipeline - To Be Upgraded
- Gas Pipeline - Existing
- Liquid Pipeline - Proposed
- Liquid Pipeline - To Be Upgraded
- Liquid Pipeline - Existing
- Road - Proposed
- Road - Existing
- Bureau of Land Management
- Indian Reservation
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-6O

TOPO D
BONANZA 1023-6P3CS, BONANZA 1023-6P3AS,
BONANZA 1023-6I3DS, BONANZA 1023-6P2BS,
BONANZA 1023-6J4AS, BONANZA 1023-6O2DS,
BONANZA 1023-6O3AS, & BONANZA 1023-6O1BS
LOCATED IN SECTION 6, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

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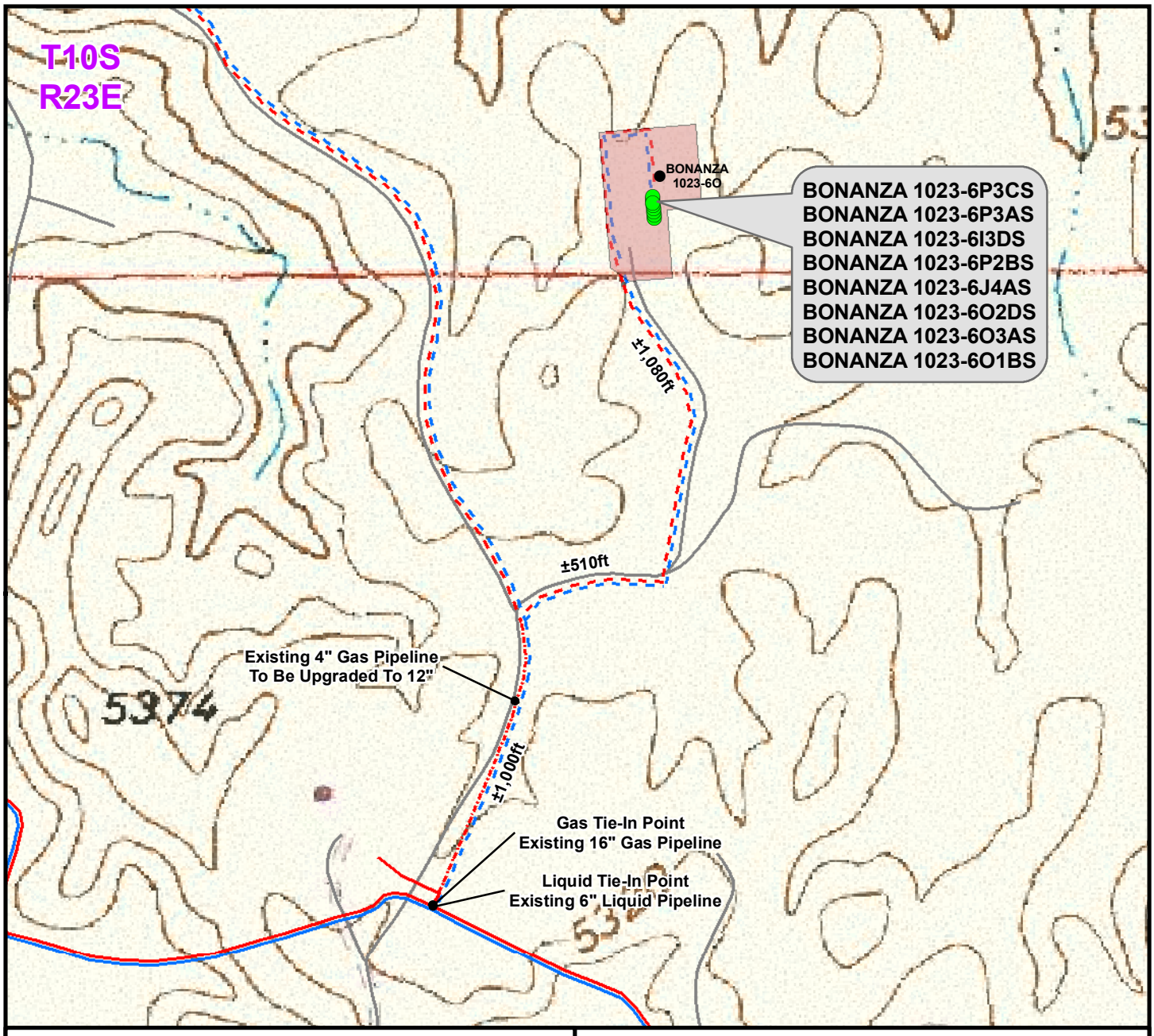
N

Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 17 of 20
Drawn: TL	Date: 14 Apr 2010	
Revised: CPS	Date: 15 Oct 2010	

'APIWellNo:43047514780000'



Proposed Liquid Pipeline	Length
Proposed 6" (First Meter House to Edge of Pad)	±610ft
Proposed 6" (Edge of Pad to Existing 6")	±2,590ft
TOTAL PROPOSED LIQUID PIPELINE =	± 3,200ft

Proposed Gas Pipeline	Length
Proposed 8" (First Meter House to Edge of Pad)	±610ft
Proposed 8" (Edge of Pad to 6K Intersection)	±1,590ft
Proposed 12" (6K Intersection to Existing 16")	±1,000ft
TOTAL PROPOSED GAS PIPELINE =	±3,200ft

Legend

- Well - Proposed
- Well - Existing
- Well Pad
- Gas Pipeline - Proposed
- Gas Pipeline - To Be Upgraded
- Gas Pipeline - Existing
- Liquid Pipeline - Proposed
- Liquid Pipeline - To Be Upgraded
- Liquid Pipeline - Existing
- Road - Proposed
- Road - Existing
- Bureau of Land Management
- Indian Reservation
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-6O

TOPO D2 (PAD & PIPELINE DETAIL)
BONANZA 1023-6P3CS, BONANZA 1023-6P3AS,
BONANZA 1023-6I3DS, BONANZA 1023-6P2BS,
BONANZA 1023-6J4AS, BONANZA 1023-6O2DS,
BONANZA 1023-6O3AS, & BONANZA 1023-6O1BS
LOCATED IN SECTION 6, T10S, R23E
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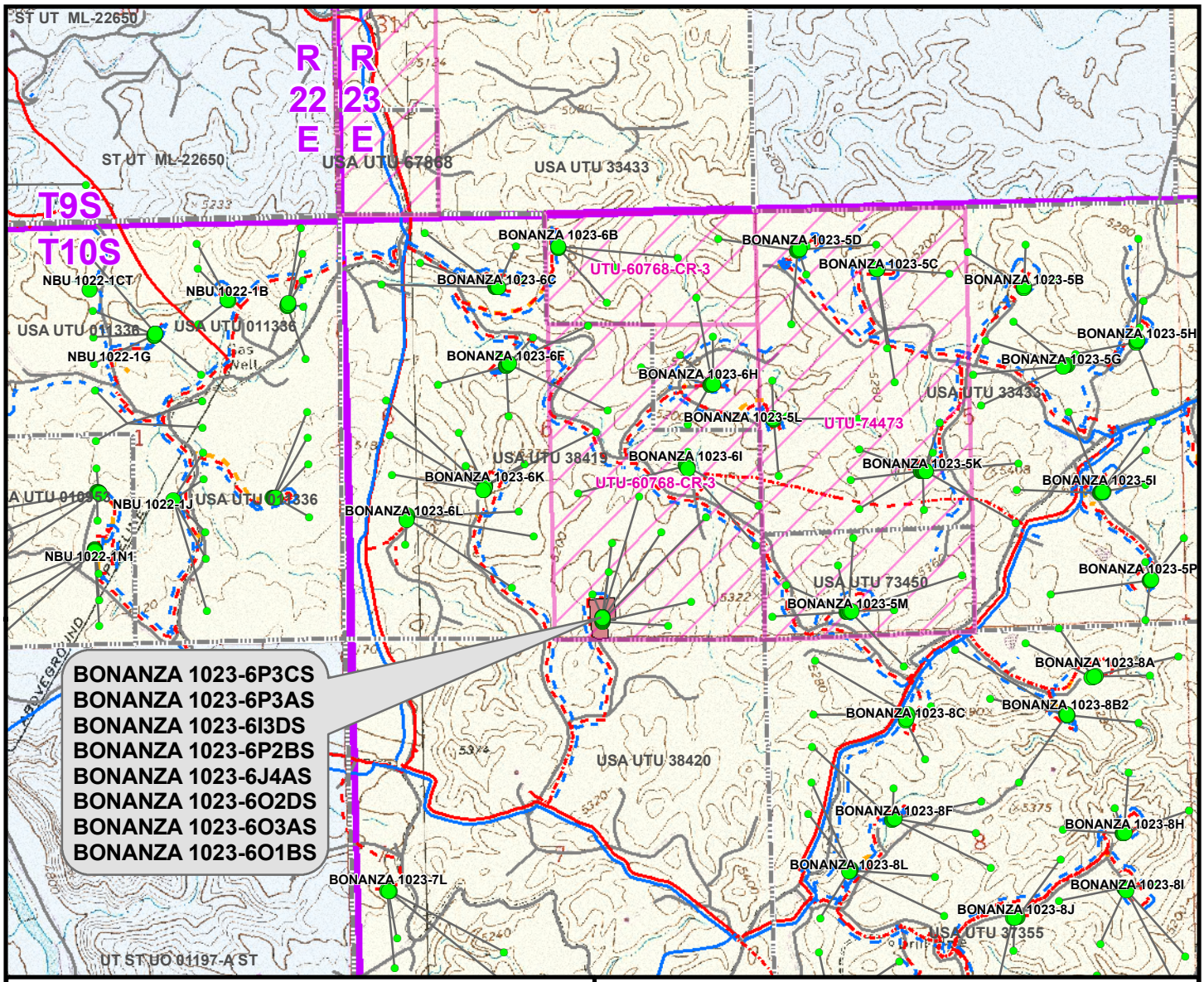
N

Scale: 1" = 500ft	NAD83 USP Central	Sheet No:
Drawn: TL	Date: 14 Apr 2010	18
Revised: CPS	Date: 15 Oct 2010	18 of 20

'APIWellNo:43047514780000'



Proposed Well	Distance To Nearest CA Boundary
BONANZA 1023-6P3CS	95ft
BONANZA 1023-6P3AS	383ft
BONANZA 1023-6I3DS	745ft
BONANZA 1023-6P2BS	1,266ft
BONANZA 1023-6J4AS	1,058ft
BONANZA 1023-6O2DS	653ft
BONANZA 1023-6O3AS	436ft
BONANZA 1023-6O1BS	703ft

Proposed Well	Distance To Nearest Lease Boundary
BONANZA 1023-6P3CS	95ft
BONANZA 1023-6P3AS	383ft
BONANZA 1023-6I3DS	745ft
BONANZA 1023-6P2BS	1,266ft
BONANZA 1023-6J4AS	946ft
BONANZA 1023-6O2DS	785ft
BONANZA 1023-6O3AS	520ft
BONANZA 1023-6O1BS	1,150ft

Legend

- Well - Proposed
- Bottom Hole - Proposed
- Well Path
- Well Pad
- CA Agreement
- Lease Boundary
- Gas Pipeline - Proposed
- Gas Pipeline - To Be Upgraded
- Gas Pipeline - Existing
- Liquid Pipeline - Proposed
- Liquid Pipeline - To Be Upgraded
- Liquid Pipeline - Existing
- Road - Proposed
- Road - Existing
- Bureau of Land Management
- Indian Reservation
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
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WELL PAD - BONANZA 1023-6O

TOPO E
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BONANZA 1023-6J4AS, BONANZA 1023-6O2DS,
BONANZA 1023-6O3AS, & BONANZA 1023-6O1BS
LOCATED IN SECTION 6, T10S, R23E
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N

Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 19	19 of 20
Drawn: TL	Date: 14 Apr 2010		
Revised: CPS	Date: 15 Oct 2010		

Kerr-McGee Oil & Gas Onshore, LP
WELL PAD – BONANZA 1023-6O
WELLS – BONANZA 1023-6P3CS, BONANZA 1023-6P3AS, BONANZA 1023-6I3DS, BONANZA 1023-6P2BS, BONANZA 1023-6J4AS, BONANZA 1023-6O2DS, BONANZA 1023-6O3AS, & BONANZA 1023-6O1BS
Section 6, T10S, R23E, S.L.B.&M.

From the intersection of U.S. Highway 40 and 500 East Street in Vernal, Utah proceed in an easterly then southerly direction along U.S. Highway 40 approximately 3.3 miles to the junction of State Highway 45; exit right and proceed in a southerly direction along State Highway 45 approximately 20.2 miles to the junction of the Glen Bench Road (County B Road 3260). Exit right and proceed in a southwesterly direction along the Glen Bench Road approximately 14.4 miles to the intersection of the Chipeta Wells Road (County B Road 3410) which road intersection is approximately 400 feet northeast of the Mountain Fuel Bridge, at the White River. Exit left and proceed in a southeasterly direction along the Chipeta Wells Road approximately 4.3 miles to the intersection of the Atchee Wash Road (County B Road 4240). Exit right and proceed in a southeasterly, then southerly direction along the Atchee Wash Road approximately 7.5 miles to the intersection of the County B Road 3420. Exit left and proceed in a northeasterly direction along the County B Road 3420 approximately 0.3 miles to a service road to the left. Exit left and proceed in a northwesterly direction along said service road approximately 1.0 miles to a second service road to the right. Exit right and proceed in an easterly direction along said service road approximately 0.1 miles to a third service road to the left. Exit left and proceed in a northerly direction along said service road approximately 0.2 miles to the proposed well pad.

Total distance from Vernal, Utah to the proposed well location is approximately 51.3 miles in a southerly direction.

'APIWellNo:43047514780000'

Scientific Drilling
Rocky Mountain Operations

Project: Uintah County, UT UTM12
Site: Bonanza 1023-6O Pad
Well: BONANZA 1023-6P3CS
Wellbore: OH
Design: PLAN #1

Anadarko Petroleum Corporation

WELL DETAILS: BONANZA 1023-6P3CS

GL 5265' & RKB 14'
@ 5279.00ft (ASSUMED)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14519731.70	2097999.18	39° 58' 16.165 N	109° 22' 0.635 W

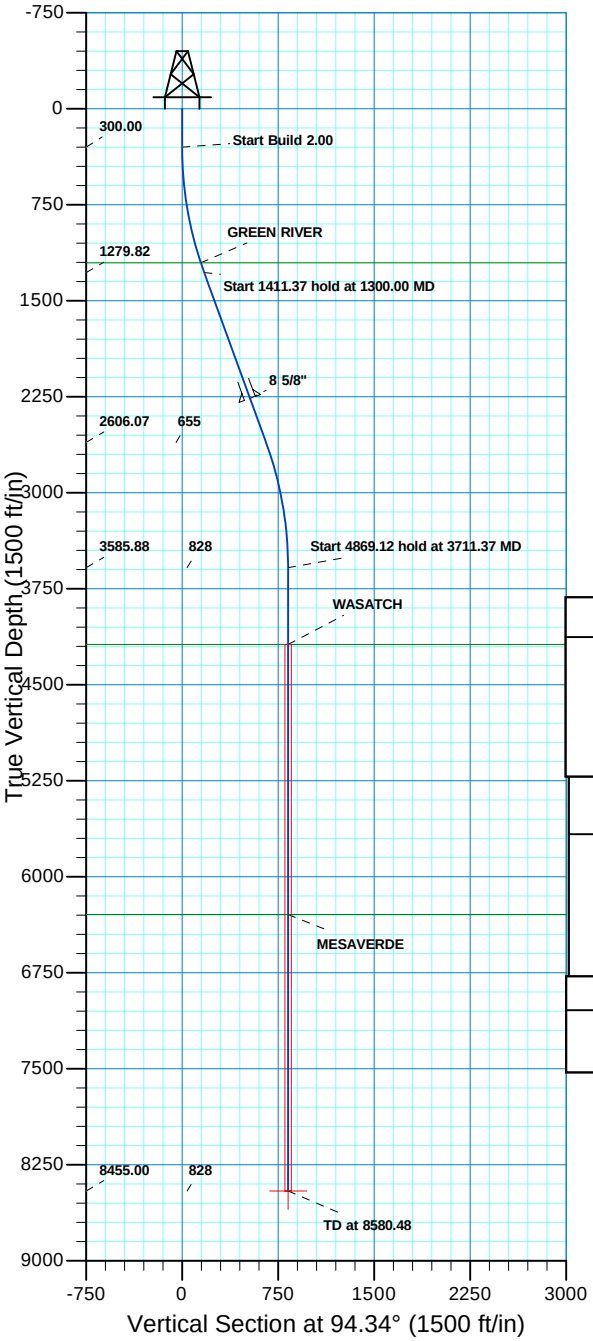
DESIGN TARGET DETAILS

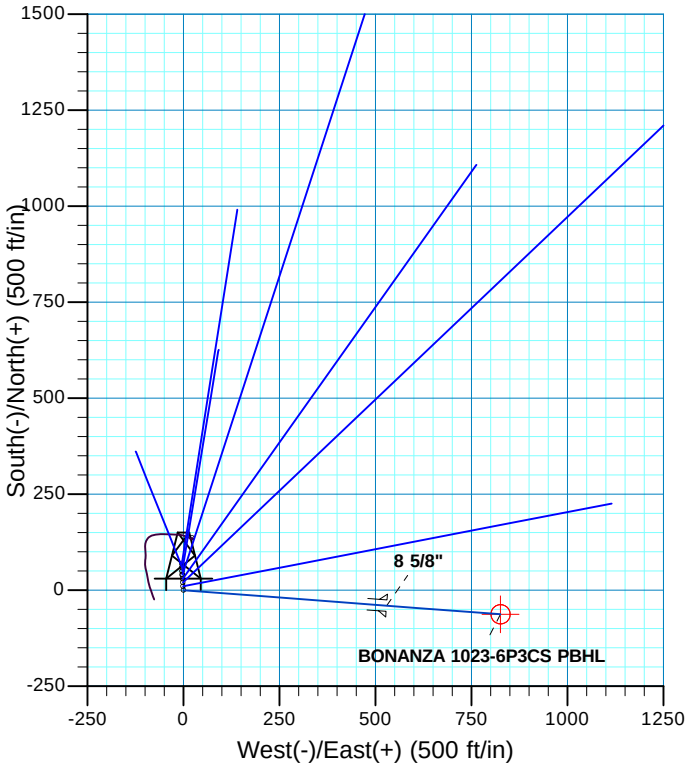
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8455.00	-62.63	825.88	14519684.21	2098826.07	39° 58' 15.546 N	109° 21' 50.026 W	Circle (Radius: 25.00)

- plan hits target center

T
M
Azimuths to True North
Magnetic North: 11.11°

Magnetic Field
Strength: 52403.7snT
Dip Angle: 65.89°
Date: 09/16/2010
Model: IGRF2010





SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
1300.00	20.00	94.34	1279.82	-13.06	172.27	2.00	94.34	172.77	
2711.37	20.00	94.34	2606.07	-49.57	653.61	0.00	0.00	655.48	
3711.37	0.00	0.00	3585.88	-62.63	825.88	2.00	180.00	828.25	
8580.48	0.00	0.00	8455.00	-62.63	825.88	0.00	0.00	828.25	BONANZA 1023-6P3CS PBHL

PROJECT DETAILS: Uintah County, UT UTM12

Geodetic System: Universal Transverse Mercator (US Survey Feet)
Datum: NAD 1927 - Western US
Ellipsoid: Clarke 1866
Zone: Zone 12N (114 W to 108 W)
Location: SEC 6 T10S R23E
System Datum: Mean Sea Level

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1203.00	1218.66	GREEN RIVER
4185.00	4310.48	WASATCH
6294.00	6419.48	MESAVERDE

CASING DETAILS

TVD	MD	Name	Size
2264.00	2347.35	8 5/8"	8.625

Plan: PLAN #1 (BONANZA 1023-6P3CS/OH)

Created By: RobertScott Date: 13:18, September 16 2010

Scientific Drilling
Rocky Mountain Operations

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12
Bonanza 1023-6O Pad
BONANZA 1023-6P3CS

OH

Plan: PLAN #1

Standard Planning Report

16 September, 2010

Anadarko
Petroleum Corporation

Database:	EDM5000-RobertS-Local	**Local Co-ordinate Reference:**	Well BONANZA 1023-6P3CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	**MD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Site:	Bonanza 1023-6O Pad	**North Reference:**	True
Well:	BONANZA 1023-6P3CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Project Uintah County, UT UTM12

Map System:	Universal Transverse Mercator (US Survey Feet)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site Bonanza 1023-6O Pad, SEC 6 T10S R23E

Site Position:		**Northing:**	14,519,801.55 usft	**Latitude:**	39° 58' 16.856 N
From:	Lat/Long	**Easting:**	2,097,993.69 usft	**Longitude:**	109° 22' 0.689 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13.200 in	**Grid Convergence:**	1.05 °

Well BONANZA 1023-6P3CS, 158' FSL 2076' FEL

Well Position	**+N/-S**	-69.93 ft	**Northing:**	14,519,731.71 usft	**Latitude:**	39° 58' 16.165 N
	+E/-W	4.20 ft	**Easting:**	2,097,999.18 usft	**Longitude:**	109° 22' 0.635 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**		**Ground Level:**	5,265.00 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	09/16/2010	11.11	65.89	52,404

Design PLAN #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	94.34

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	20.00	94.34	1,279.82	-13.06	172.27	2.00	2.00	0.00	94.34	
2,711.37	20.00	94.34	2,606.07	-49.57	653.61	0.00	0.00	0.00	0.00	
3,711.37	0.00	0.00	3,585.88	-62.63	825.88	2.00	-2.00	0.00	180.00	
8,580.49	0.00	0.00	8,455.00	-62.63	825.88	0.00	0.00	0.00	0.00	BONANZA 1023-6P3

Database:	EDM5000-RobertS-Local	**Local Co-ordinate Reference:**	Well BONANZA 1023-6P3CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	**MD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Site:	Bonanza 1023-6O Pad	**North Reference:**	True
Well:	BONANZA 1023-6P3CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
400.00	2.00	94.34	399.98	-0.13	1.74	1.75	2.00	2.00	0.00
500.00	4.00	94.34	499.84	-0.53	6.96	6.98	2.00	2.00	0.00
600.00	6.00	94.34	599.45	-1.19	15.65	15.69	2.00	2.00	0.00
700.00	8.00	94.34	698.70	-2.11	27.80	27.88	2.00	2.00	0.00
800.00	10.00	94.34	797.47	-3.29	43.40	43.52	2.00	2.00	0.00
900.00	12.00	94.34	895.62	-4.73	62.42	62.60	2.00	2.00	0.00
1,000.00	14.00	94.34	993.06	-6.44	84.85	85.10	2.00	2.00	0.00
1,100.00	16.00	94.34	1,089.64	-8.39	110.66	110.98	2.00	2.00	0.00
1,200.00	18.00	94.34	1,185.27	-10.60	139.81	140.21	2.00	2.00	0.00
1,218.66	18.37	94.34	1,203.00	-11.04	145.62	146.04	2.00	2.00	0.00
GREEN RIVER									
1,300.00	20.00	94.34	1,279.82	-13.06	172.27	172.77	2.00	2.00	0.00
Start 1411.37 hold at 1300.00 MD									
1,400.00	20.00	94.34	1,373.78	-15.65	206.38	206.97	0.00	0.00	0.00
1,500.00	20.00	94.34	1,467.75	-18.24	240.48	241.17	0.00	0.00	0.00
1,600.00	20.00	94.34	1,561.72	-20.82	274.59	275.37	0.00	0.00	0.00
1,700.00	20.00	94.34	1,655.69	-23.41	308.69	309.58	0.00	0.00	0.00
1,800.00	20.00	94.34	1,749.66	-26.00	342.79	343.78	0.00	0.00	0.00
1,900.00	20.00	94.34	1,843.63	-28.58	376.90	377.98	0.00	0.00	0.00
2,000.00	20.00	94.34	1,937.60	-31.17	411.00	412.18	0.00	0.00	0.00
2,100.00	20.00	94.34	2,031.57	-33.76	445.11	446.38	0.00	0.00	0.00
2,200.00	20.00	94.34	2,125.54	-36.34	479.21	480.59	0.00	0.00	0.00
2,300.00	20.00	94.34	2,219.51	-38.93	513.31	514.79	0.00	0.00	0.00
2,347.35	20.00	94.34	2,264.00	-40.15	529.46	530.98	0.00	0.00	0.00
8 5/8"									
2,400.00	20.00	94.34	2,313.48	-41.52	547.42	548.99	0.00	0.00	0.00
2,500.00	20.00	94.34	2,407.45	-44.10	581.52	583.19	0.00	0.00	0.00
2,600.00	20.00	94.34	2,501.42	-46.69	615.63	617.39	0.00	0.00	0.00
2,700.00	20.00	94.34	2,595.39	-49.27	649.73	651.60	0.00	0.00	0.00
2,711.37	20.00	94.34	2,606.07	-49.57	653.61	655.48	0.00	0.00	0.00
Start Drop -2.00									
2,800.00	18.23	94.34	2,689.81	-51.76	682.55	684.51	2.00	-2.00	0.00
2,900.00	16.23	94.34	2,785.32	-54.00	712.08	714.12	2.00	-2.00	0.00
3,000.00	14.23	94.34	2,881.80	-55.99	738.26	740.38	2.00	-2.00	0.00
3,100.00	12.23	94.34	2,979.15	-57.72	761.08	763.26	2.00	-2.00	0.00
3,200.00	10.23	94.34	3,077.23	-59.19	780.49	782.73	2.00	-2.00	0.00
3,300.00	8.23	94.34	3,175.93	-60.40	796.48	798.77	2.00	-2.00	0.00
3,400.00	6.23	94.34	3,275.13	-61.35	809.02	811.35	2.00	-2.00	0.00
3,500.00	4.23	94.34	3,374.71	-62.04	818.11	820.46	2.00	-2.00	0.00
3,600.00	2.23	94.34	3,474.54	-62.47	823.72	826.09	2.00	-2.00	0.00
3,700.00	0.23	94.34	3,574.52	-62.63	825.86	828.23	2.00	-2.00	0.00
3,711.37	0.00	0.00	3,585.88	-62.63	825.88	828.25	2.00	-2.00	0.00
Start 4869.12 hold at 3711.37 MD									
3,800.00	0.00	0.00	3,674.52	-62.63	825.88	828.25	0.00	0.00	0.00
3,900.00	0.00	0.00	3,774.52	-62.63	825.88	828.25	0.00	0.00	0.00
4,000.00	0.00	0.00	3,874.52	-62.63	825.88	828.25	0.00	0.00	0.00

Database:	EDM5000-RobertS-Local	**Local Co-ordinate Reference:**	Well BONANZA 1023-6P3CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	**MD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Site:	Bonanza 1023-6O Pad	**North Reference:**	True
Well:	BONANZA 1023-6P3CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,100.00	0.00	0.00	3,974.52	-62.63	825.88	828.25	0.00	0.00	0.00
4,200.00	0.00	0.00	4,074.52	-62.63	825.88	828.25	0.00	0.00	0.00
4,300.00	0.00	0.00	4,174.52	-62.63	825.88	828.25	0.00	0.00	0.00
4,310.48	0.00	0.00	4,185.00	-62.63	825.88	828.25	0.00	0.00	0.00
WASATCH									
4,400.00	0.00	0.00	4,274.52	-62.63	825.88	828.25	0.00	0.00	0.00
4,500.00	0.00	0.00	4,374.52	-62.63	825.88	828.25	0.00	0.00	0.00
4,600.00	0.00	0.00	4,474.52	-62.63	825.88	828.25	0.00	0.00	0.00
4,700.00	0.00	0.00	4,574.52	-62.63	825.88	828.25	0.00	0.00	0.00
4,800.00	0.00	0.00	4,674.52	-62.63	825.88	828.25	0.00	0.00	0.00
4,900.00	0.00	0.00	4,774.52	-62.63	825.88	828.25	0.00	0.00	0.00
5,000.00	0.00	0.00	4,874.52	-62.63	825.88	828.25	0.00	0.00	0.00
5,100.00	0.00	0.00	4,974.52	-62.63	825.88	828.25	0.00	0.00	0.00
5,200.00	0.00	0.00	5,074.52	-62.63	825.88	828.25	0.00	0.00	0.00
5,300.00	0.00	0.00	5,174.52	-62.63	825.88	828.25	0.00	0.00	0.00
5,400.00	0.00	0.00	5,274.52	-62.63	825.88	828.25	0.00	0.00	0.00
5,500.00	0.00	0.00	5,374.52	-62.63	825.88	828.25	0.00	0.00	0.00
5,600.00	0.00	0.00	5,474.52	-62.63	825.88	828.25	0.00	0.00	0.00
5,700.00	0.00	0.00	5,574.52	-62.63	825.88	828.25	0.00	0.00	0.00
5,800.00	0.00	0.00	5,674.52	-62.63	825.88	828.25	0.00	0.00	0.00
5,900.00	0.00	0.00	5,774.52	-62.63	825.88	828.25	0.00	0.00	0.00
6,000.00	0.00	0.00	5,874.52	-62.63	825.88	828.25	0.00	0.00	0.00
6,100.00	0.00	0.00	5,974.52	-62.63	825.88	828.25	0.00	0.00	0.00
6,200.00	0.00	0.00	6,074.52	-62.63	825.88	828.25	0.00	0.00	0.00
6,300.00	0.00	0.00	6,174.52	-62.63	825.88	828.25	0.00	0.00	0.00
6,400.00	0.00	0.00	6,274.52	-62.63	825.88	828.25	0.00	0.00	0.00
6,419.49	0.00	0.00	6,294.00	-62.63	825.88	828.25	0.00	0.00	0.00
MESAVERDE									
6,500.00	0.00	0.00	6,374.52	-62.63	825.88	828.25	0.00	0.00	0.00
6,600.00	0.00	0.00	6,474.52	-62.63	825.88	828.25	0.00	0.00	0.00
6,700.00	0.00	0.00	6,574.52	-62.63	825.88	828.25	0.00	0.00	0.00
6,800.00	0.00	0.00	6,674.52	-62.63	825.88	828.25	0.00	0.00	0.00
6,900.00	0.00	0.00	6,774.52	-62.63	825.88	828.25	0.00	0.00	0.00
7,000.00	0.00	0.00	6,874.52	-62.63	825.88	828.25	0.00	0.00	0.00
7,100.00	0.00	0.00	6,974.52	-62.63	825.88	828.25	0.00	0.00	0.00
7,200.00	0.00	0.00	7,074.52	-62.63	825.88	828.25	0.00	0.00	0.00
7,300.00	0.00	0.00	7,174.52	-62.63	825.88	828.25	0.00	0.00	0.00
7,400.00	0.00	0.00	7,274.52	-62.63	825.88	828.25	0.00	0.00	0.00
7,500.00	0.00	0.00	7,374.52	-62.63	825.88	828.25	0.00	0.00	0.00
7,600.00	0.00	0.00	7,474.52	-62.63	825.88	828.25	0.00	0.00	0.00
7,700.00	0.00	0.00	7,574.52	-62.63	825.88	828.25	0.00	0.00	0.00
7,800.00	0.00	0.00	7,674.52	-62.63	825.88	828.25	0.00	0.00	0.00
7,900.00	0.00	0.00	7,774.52	-62.63	825.88	828.25	0.00	0.00	0.00
8,000.00	0.00	0.00	7,874.52	-62.63	825.88	828.25	0.00	0.00	0.00
8,100.00	0.00	0.00	7,974.52	-62.63	825.88	828.25	0.00	0.00	0.00
8,200.00	0.00	0.00	8,074.52	-62.63	825.88	828.25	0.00	0.00	0.00
8,300.00	0.00	0.00	8,174.52	-62.63	825.88	828.25	0.00	0.00	0.00
8,400.00	0.00	0.00	8,274.52	-62.63	825.88	828.25	0.00	0.00	0.00
8,500.00	0.00	0.00	8,374.52	-62.63	825.88	828.25	0.00	0.00	0.00
8,580.49	0.00	0.00	8,455.00	-62.63	825.88	828.25	0.00	0.00	0.00
TD at 8580.48 - BONANZA 1023-6P3CS PBHL									

Database:	EDM5000-RobertS-Local	**Local Co-ordinate Reference:**	Well BONANZA 1023-6P3CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	**MD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Site:	Bonanza 1023-6O Pad	**North Reference:**	True
Well:	BONANZA 1023-6P3CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BONANZA 1023-6P3CS - plan hits target center - Circle (radius 25.00)	0.00	0.00	8,455.00	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
2,347.35	2,264.00	8 5/8"	8.625	11.000

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,218.66	1,203.00	GREEN RIVER			
4,310.48	4,185.00	WASATCH			
6,419.49	6,294.00	MESAVERDE			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
300.00	300.00	0.00	0.00	Start Build 2.00
1,300.00	1,279.82	-13.06	172.27	Start 1411.37 hold at 1300.00 MD
2,711.37	2,606.07	-49.57	653.61	Start Drop -2.00
3,711.37	3,585.88	-62.63	825.88	Start 4869.12 hold at 3711.37 MD
8,580.49	8,455.00	-62.63	825.88	TD at 8580.48

Scientific Drilling
Rocky Mountain Operations

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12
Bonanza 1023-6O Pad
BONANZA 1023-6P3CS

OH

Plan: PLAN #1

Standard Planning Report - Geographic

16 September, 2010

Anadarko
Petroleum Corporation

Database:	EDM5000-RobertS-Local	**Local Co-ordinate Reference:**	Well BONANZA 1023-6P3CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	**MD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Site:	Bonanza 1023-6O Pad	**North Reference:**	True
Well:	BONANZA 1023-6P3CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Project Uintah County, UT UTM12

Map System:	Universal Transverse Mercator (US Survey Feet)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site Bonanza 1023-6O Pad, SEC 6 T10S R23E

Site Position:		**Northing:**	14,519,801.55 usft	**Latitude:**	39° 58' 16.856 N
From:	Lat/Long	**Easting:**	2,097,993.69 usft	**Longitude:**	109° 22' 0.689 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13.200 in	**Grid Convergence:**	1.05 °

Well BONANZA 1023-6P3CS, 158' FSL 2076' FEL

Well Position	**+N/-S**	0.00 ft	**Northing:**	14,519,731.71 usft	**Latitude:**	39° 58' 16.165 N
	+E/-W	0.00 ft	**Easting:**	2,097,999.18 usft	**Longitude:**	109° 22' 0.635 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**		**Ground Level:**	5,265.00 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	09/16/2010	11.11	65.89	52,404

Design PLAN #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	94.34

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	20.00	94.34	1,279.82	-13.06	172.27	2.00	2.00	0.00	94.34	
2,711.37	20.00	94.34	2,606.07	-49.57	653.61	0.00	0.00	0.00	0.00	
3,711.37	0.00	0.00	3,585.88	-62.63	825.88	2.00	-2.00	0.00	180.00	
8,580.49	0.00	0.00	8,455.00	-62.63	825.88	0.00	0.00	0.00	0.00	BONANZA 1023-6P3

Database:	EDM5000-RobertS-Local	**Local Co-ordinate Reference:**	Well BONANZA 1023-6P3CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	**MD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Site:	Bonanza 1023-6O Pad	**North Reference:**	True
Well:	BONANZA 1023-6P3CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	14,519,731.71	2,097,999.18	39° 58' 16.165 N	109° 22' 0.635 W
100.00	0.00	0.00	100.00	0.00	0.00	14,519,731.71	2,097,999.18	39° 58' 16.165 N	109° 22' 0.635 W
200.00	0.00	0.00	200.00	0.00	0.00	14,519,731.71	2,097,999.18	39° 58' 16.165 N	109° 22' 0.635 W
300.00	0.00	0.00	300.00	0.00	0.00	14,519,731.71	2,097,999.18	39° 58' 16.165 N	109° 22' 0.635 W
Start Build 2.00									
400.00	2.00	94.34	399.98	-0.13	1.74	14,519,731.61	2,098,000.92	39° 58' 16.164 N	109° 22' 0.612 W
500.00	4.00	94.34	499.84	-0.53	6.96	14,519,731.31	2,098,006.14	39° 58' 16.160 N	109° 22' 0.545 W
600.00	6.00	94.34	599.45	-1.19	15.65	14,519,730.81	2,098,014.84	39° 58' 16.153 N	109° 22' 0.434 W
700.00	8.00	94.34	698.70	-2.11	27.80	14,519,730.11	2,098,027.01	39° 58' 16.144 N	109° 22' 0.278 W
800.00	10.00	94.34	797.47	-3.29	43.40	14,519,729.21	2,098,042.63	39° 58' 16.133 N	109° 22' 0.077 W
900.00	12.00	94.34	895.62	-4.73	62.42	14,519,728.12	2,098,061.67	39° 58' 16.118 N	109° 21' 59.833 W
1,000.00	14.00	94.34	993.06	-6.44	84.85	14,519,726.83	2,098,084.13	39° 58' 16.102 N	109° 21' 59.545 W
1,100.00	16.00	94.34	1,089.64	-8.39	110.66	14,519,725.34	2,098,109.97	39° 58' 16.082 N	109° 21' 59.213 W
1,200.00	18.00	94.34	1,185.27	-10.60	139.81	14,519,723.67	2,098,139.16	39° 58' 16.060 N	109° 21' 58.839 W
1,218.66	18.37	94.34	1,203.00	-11.04	145.62	14,519,723.33	2,098,144.97	39° 58' 16.056 N	109° 21' 58.764 W
GREEN RIVER									
1,300.00	20.00	94.34	1,279.82	-13.06	172.27	14,519,721.80	2,098,171.66	39° 58' 16.036 N	109° 21' 58.422 W
Start 1411.37 hold at 1300.00 MD									
1,400.00	20.00	94.34	1,373.78	-15.65	206.38	14,519,719.84	2,098,205.80	39° 58' 16.010 N	109° 21' 57.984 W
1,500.00	20.00	94.34	1,467.75	-18.24	240.48	14,519,717.88	2,098,239.95	39° 58' 15.985 N	109° 21' 57.546 W
1,600.00	20.00	94.34	1,561.72	-20.82	274.59	14,519,715.92	2,098,274.10	39° 58' 15.959 N	109° 21' 57.107 W
1,700.00	20.00	94.34	1,655.69	-23.41	308.69	14,519,713.96	2,098,308.24	39° 58' 15.934 N	109° 21' 56.669 W
1,800.00	20.00	94.34	1,749.66	-26.00	342.79	14,519,711.99	2,098,342.39	39° 58' 15.908 N	109° 21' 56.231 W
1,900.00	20.00	94.34	1,843.63	-28.58	376.90	14,519,710.03	2,098,376.53	39° 58' 15.883 N	109° 21' 55.793 W
2,000.00	20.00	94.34	1,937.60	-31.17	411.00	14,519,708.07	2,098,410.68	39° 58' 15.857 N	109° 21' 55.355 W
2,100.00	20.00	94.34	2,031.57	-33.76	445.11	14,519,706.11	2,098,444.82	39° 58' 15.832 N	109° 21' 54.917 W
2,200.00	20.00	94.34	2,125.54	-36.34	479.21	14,519,704.15	2,098,478.97	39° 58' 15.806 N	109° 21' 54.479 W
2,300.00	20.00	94.34	2,219.51	-38.93	513.31	14,519,702.19	2,098,513.12	39° 58' 15.780 N	109° 21' 54.041 W
2,347.35	20.00	94.34	2,264.00	-40.15	529.46	14,519,701.26	2,098,529.28	39° 58' 15.768 N	109° 21' 53.833 W
8 5/8"									
2,400.00	20.00	94.34	2,313.48	-41.52	547.42	14,519,700.23	2,098,547.26	39° 58' 15.755 N	109° 21' 53.603 W
2,500.00	20.00	94.34	2,407.45	-44.10	581.52	14,519,698.26	2,098,581.41	39° 58' 15.729 N	109° 21' 53.165 W
2,600.00	20.00	94.34	2,501.42	-46.69	615.63	14,519,696.30	2,098,615.55	39° 58' 15.704 N	109° 21' 52.727 W
2,700.00	20.00	94.34	2,595.39	-49.27	649.73	14,519,694.34	2,098,649.70	39° 58' 15.678 N	109° 21' 52.288 W
2,711.37	20.00	94.34	2,606.07	-49.57	653.61	14,519,694.12	2,098,653.58	39° 58' 15.675 N	109° 21' 52.239 W
Start Drop -2.00									
2,800.00	18.23	94.34	2,689.81	-51.76	682.55	14,519,692.45	2,098,682.55	39° 58' 15.653 N	109° 21' 51.867 W
2,900.00	16.23	94.34	2,785.32	-54.00	712.08	14,519,690.76	2,098,712.12	39° 58' 15.631 N	109° 21' 51.488 W
3,000.00	14.23	94.34	2,881.80	-55.99	738.26	14,519,689.25	2,098,738.34	39° 58' 15.612 N	109° 21' 51.151 W
3,100.00	12.23	94.34	2,979.15	-57.72	761.08	14,519,687.94	2,098,761.18	39° 58' 15.595 N	109° 21' 50.858 W
3,200.00	10.23	94.34	3,077.23	-59.19	780.49	14,519,686.82	2,098,780.62	39° 58' 15.580 N	109° 21' 50.609 W
3,300.00	8.23	94.34	3,175.93	-60.40	796.48	14,519,685.90	2,098,796.63	39° 58' 15.568 N	109° 21' 50.403 W
3,400.00	6.23	94.34	3,275.13	-61.35	809.02	14,519,685.18	2,098,809.19	39° 58' 15.559 N	109° 21' 50.242 W
3,500.00	4.23	94.34	3,374.71	-62.04	818.11	14,519,684.66	2,098,818.28	39° 58' 15.552 N	109° 21' 50.125 W
3,600.00	2.23	94.34	3,474.54	-62.47	823.72	14,519,684.34	2,098,823.90	39° 58' 15.548 N	109° 21' 50.053 W
3,700.00	0.23	94.34	3,574.52	-62.63	825.86	14,519,684.21	2,098,826.04	39° 58' 15.546 N	109° 21' 50.026 W
3,711.37	0.00	0.00	3,585.88	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
Start 4869.12 hold at 3711.37 MD									
3,800.00	0.00	0.00	3,674.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
3,900.00	0.00	0.00	3,774.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
4,000.00	0.00	0.00	3,874.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
4,100.00	0.00	0.00	3,974.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W

Database:	EDM5000-RobertS-Local	**Local Co-ordinate Reference:**	Well BONANZA 1023-6P3CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	**MD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Site:	Bonanza 1023-6O Pad	**North Reference:**	True
Well:	BONANZA 1023-6P3CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,200.00	0.00	0.00	4,074.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
4,300.00	0.00	0.00	4,174.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
4,310.48	0.00	0.00	4,185.00	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
WASATCH									
4,400.00	0.00	0.00	4,274.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
4,500.00	0.00	0.00	4,374.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
4,600.00	0.00	0.00	4,474.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
4,700.00	0.00	0.00	4,574.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
4,800.00	0.00	0.00	4,674.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
4,900.00	0.00	0.00	4,774.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
5,000.00	0.00	0.00	4,874.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
5,100.00	0.00	0.00	4,974.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
5,200.00	0.00	0.00	5,074.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
5,300.00	0.00	0.00	5,174.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
5,400.00	0.00	0.00	5,274.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
5,500.00	0.00	0.00	5,374.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
5,600.00	0.00	0.00	5,474.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
5,700.00	0.00	0.00	5,574.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
5,800.00	0.00	0.00	5,674.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
5,900.00	0.00	0.00	5,774.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
6,000.00	0.00	0.00	5,874.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
6,100.00	0.00	0.00	5,974.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
6,200.00	0.00	0.00	6,074.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
6,300.00	0.00	0.00	6,174.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
6,400.00	0.00	0.00	6,274.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
6,419.49	0.00	0.00	6,294.00	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
MESAVERDE									
6,500.00	0.00	0.00	6,374.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
6,600.00	0.00	0.00	6,474.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
6,700.00	0.00	0.00	6,574.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
6,800.00	0.00	0.00	6,674.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
6,900.00	0.00	0.00	6,774.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
7,000.00	0.00	0.00	6,874.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
7,100.00	0.00	0.00	6,974.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
7,200.00	0.00	0.00	7,074.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
7,300.00	0.00	0.00	7,174.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
7,400.00	0.00	0.00	7,274.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
7,500.00	0.00	0.00	7,374.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
7,600.00	0.00	0.00	7,474.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
7,700.00	0.00	0.00	7,574.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
7,800.00	0.00	0.00	7,674.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
7,900.00	0.00	0.00	7,774.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
8,000.00	0.00	0.00	7,874.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
8,100.00	0.00	0.00	7,974.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
8,200.00	0.00	0.00	8,074.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
8,300.00	0.00	0.00	8,174.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
8,400.00	0.00	0.00	8,274.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
8,500.00	0.00	0.00	8,374.52	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
8,580.49	0.00	0.00	8,455.00	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W
TD at 8580.48 - BONANZA 1023-6P3CS PBHL									

Database:	EDM5000-RobertS-Local	**Local Co-ordinate Reference:**	Well BONANZA 1023-6P3CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	**MD Reference:**	GL 5265' & RKB 14' @ 5279.00ft (ASSUMED)
Site:	Bonanza 1023-6O Pad	**North Reference:**	True
Well:	BONANZA 1023-6P3CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BONANZA 1023-6P3CS - plan hits target center - Circle (radius 25.00)	0.00	0.00	8,455.00	-62.63	825.88	14,519,684.21	2,098,826.06	39° 58' 15.546 N	109° 21' 50.026 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
2,347.35	2,264.00	8 5/8"	8.625	11.000

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,218.66	1,203.00	GREEN RIVER			
4,310.48	4,185.00	WASATCH			
6,419.49	6,294.00	MESAVERDE			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
300.00	300.00	0.00	0.00	Start Build 2.00
1,300.00	1,279.82	-13.06	172.27	Start 1411.37 hold at 1300.00 MD
2,711.37	2,606.07	-49.57	653.61	Start Drop -2.00
3,711.37	3,585.88	-62.63	825.88	Start 4869.12 hold at 3711.37 MD
8,580.49	8,455.00	-62.63	825.88	TD at 8580.48

'APIWellNo:43047514780000'

Kerr-McGee Oil & Gas Onshore. L.P.

Bonanza 1023-6O Pad

API #		BONANZA 1023-6I3DS		
	Surface:	178 FSL / 2077 FEL	SWSE	Lot
	BHL:	1443 FSL / 745 FEL	NESE	Lot

API #		BONANZA 1023-6J4AS		
	Surface:	198 FSL / 2079 FEL	SWSE	Lot
	BHL:	1730 FSL / 1580 FEL	NWSE	Lot

API #		BONANZA 1023-6O1BS		
	Surface:	228 FSL / 2080 FEL	SWSE	Lot
	BHL:	1150 FSL / 1935 FEL	SWSE	Lot

API #		BONANZA 1023-6O2DS		
	Surface:	208 FSL / 2079 FEL	SWSE	Lot
	BHL:	785 FSL / 1984 FEL	SWSE	Lot

API #		BONANZA 1023-6O3AS		
	Surface:	218 FSL / 2080 FEL	SWSE	Lot
	BHL:	520 FSL / 2200 FEL	SWSE	Lot

API #		BONANZA 1023-6P2BS		
	Surface:	188 FSL / 2078 FEL	SWSE	Lot
	BHL:	1266 FSL / 1312 FEL	SESE	Lot

API #		BONANZA 1023-6P3AS		
	Surface:	169 FSL / 2077 FEL	SWSE	Lot
	BHL:	383 FSL / 960 FEL	SESE	Lot

API #		BONANZA 1023-6P3CS		
	Surface:	158 FSL / 2076 FEL	SWSE	Lot
	BHL:	95 FSL / 1250 FEL	SESE	Lot

This Surface Use Plan of Operations (SUPO) or 13-point plan provides the site-specific information for the above-referenced wells. This information incorporates by reference the Master Development Plan (MDP) for Kerr-McGee Oil & Gas Onshore LP (KMG). The MDP is available upon request from the BLM-Vernal Field Office.

In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, these wells will be directionally drilled. Refer to Topo Map A for directions to the location and Topo Maps A and B for location of access roads within a 2-mile radius.

An on-site meeting was held on June 16, 2010. Present were:

- Dave Gordon, Suzanne Gray and Dan Emmett – BLM;
- John Slaugh, Brock Slaugh and Mitch Batty- Timberline Engineering & Land Surveying, Inc.; and
- Roger Parry, Clay Einerson, Grizz Oleen, Sheila Wopsock, Lovell Young, Grizz Oleen, Hal Blanchard, Lance Morton, Tim Donovan, Kathie Zehren, Laura Gianakos and Charles Chase – Kerr-McGee

A. Existing Roads:

A) Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

The following segments are "onlease", no ROW needed.

N/A. Please refer to Topo D2, Pad and Pipeline Detail.

The following segments require a ROW.

±1,540' (0.03 miles) – Section 7 T10S R23E (NW/4 NE/4) – On-lease UTU38420, from the edge of pad to the T-intersection in NW/4 NE/4. Please refer to Exhibit B2, Lines 9 and 8.

B. New or Reconstructed Access Roads:

See MDP for additional details on road construction.

No new road construction is required.

C. Location of Existing Wells:

A) Refer to Topo Map C.

D. Location of Existing and/or Proposed Facilities:

See MDP for additional details on Location of Existing and/or Proposed Facilities. Also, please refer to Exhibit B and Topo D- Pad and Pipeline Detail.

This pad will expand the existing pad for the Bonanza 1023-6O, which is a producing gas well according to Utah Division of Oil, Gas and Mining (UDOGM) records on December 30, 2010. Gathering (pipeline) infrastructure will be utilized to collect and transport gas and fluids from the wells which are owned and operated by Kerr McGee Oil and Gas Onshore LP (KMG).

GAS GATHERING

The gas gathering pipeline material: Steel line pipe with fusion bond epoxy coating. The total gas gathering pipeline distance from the meter to the tie in point is ±3,200’ and the individual segments are broken up as follows:

The following segments are "onlease", no ROW needed.

±610’ (0.1 miles) – Section 6 T10S R23E (SW/4 SE/4) – On-lease UTU38419, BLM surface, New 8” buried gas gathering pipeline from the meter to the edge of the pad. Please refer to Topo D-Pad and Pipeline Detail.

The following segments require a ROW.

±1,590' (0.03 miles) – Section 7 T10S R23E (NW/4 NE/4) – On-lease UTU38420, BLM surface, New 8" buried gas gathering pipeline from the edge of the pad to the tie-in at the new 12" buried gas gathering pipeline (NW/4 NE/4). Please refer to Exhibit A1, Lines 18 and 17.

±1,000' (0.2 miles) – Section 7 T10S R23E (NW/4 NE/4) – Lease UTU38420, BLM surface, New 12" buried gas gathering pipeline from the tie-in (NW/ NE/4) to the tie-in at the existing 16" buried gas gathering pipeline (SE/4 NW/4). Please refer to Exhibit A1, Line 15.

LIQUID GATHERING

The total liquid gathering pipeline distance from the separator to the tie in point is ±3,200' and the individual segments are broken up as follows:

The following segments are "onlease", no ROW needed.

±610' (0.1 miles) – Section 6 T10S R23E (SW/4 SE/4) – On-lease UTU38419, BLM surface, New 6" buried liquid gathering pipeline from the separator to the edge of the pad. Please refer to Topo D Pad and Pipeline Detail.

The following segments require a ROW.

±2,590' (0.4 miles) – Section 7 T10S R23E (NW/4 NE/4) – Lease UTU38420, BLM surface, New 6" 6" buried liquid gathering pipeline from the edge of the pad to the tie-in at the existing buried liquid gathering line (SE/4 NW/4 of section 7).

The liquid gathering lines will be made of polyethylene or a composite polyethylene/steel or polyethylene/fiberglass that is not subject to internal or external pipe corrosion. The content of the produced fluids to be transferred by the liquid gathering system will be approximately 92% produced water and 8% condensate. Trunk line valve connections for the water gathering system will be below ground but accessible from the surface in order to prevent freezing during winter time.

The proposed buried pipelines will be constructed utilizing existing disturbance when possible. The area of disturbance during construction from the edge of road or well pad will be 30' in width. The total pipeline disturbance width will be 30'. Where possible there will be no additional disturbance during construction, as the road will be utilized for construction vehicles. The liquid and gas gathering lines will be in the same trench.

The proposed trench width for the pipeline would range from 18-48 inch and will be excavated to a depth of 48 to 60 inches of normal soil cover or 24 inches of cover in consolidated rock. The pipeline will be welded or zap locked along the proposed right-of-way and lowered into place. During construction blasting may occur along the proposed right-of-way when trenching equipment can not cut into the bedrock. Large debris and rocks removed from the earth during trenching and blasting that could not be returned to the trench would be distributed evenly and naturally in the project area. The proposed buried pipeline will be visually and radiographically inspected and the entire pipeline will be pneumatically tested before being placed into service.

Upon completion of the proposed buried pipeline, the entire area of disturbance will be reclaimed to the standards proposed in the Green River District Reclamation Guidelines. Please refer to the MDP for more details regarding final reclamation. Pipeline signs will be installed along the right-of-way to indicate the pipeline proximity, ownership, and to

provide emergency contact phone numbers. Above ground valves and lateral T's will be installed at various locations to connect the new line to existing facilities and/or for safety purposes. Kerr-McGee requests for a permanent 30' right-of-way that will be maintained for the portion adjacent to the road. The need for the 30' permanent right-of-way is for maintenance and repairs.

When no longer serving a useful purpose, Kerr-McGee or it's successor will consult with the BLM, Vernal Field Office before termination.

The Anadarko Completions Transportation System (ACTS) information:
See MDP for additional details on the ACTS System.

Upon completion of the wells on this pad, Kerr-McGee is also requesting to utilize this pit as an Anadarko Completion Transport System (ACTS) staging pit which will be utilized for other completion operations in the area. The ACTS process will reduce the amount of truck traffic on a field-wide basis, also reducing vehicle emissions and fugitive dust generation.

Kerr-McGee will use ACTS to optimize the completion processes for multiple pads across the project area which may include up to a section of development. ACTS will facilitate management of frac fluids by utilizing existing reserve pits and temporary, surface-laid aluminum liquids transfer lines between frac locations. The refurbished pit will be relined per the guidelines in the MDP. The pit will be refurbished as follows: mix and pile up drill cuttings with dry dirt, bury the original liner in the pit, walk bottom of pit with cat. Kerr-McGee will reline the pit with a 30 mil liner and double felt padding. The refurbished pit will be the same size or smaller as specified in the originally approved ROW/APD. The pit refurb will be done in a normal procedure and there will be no modification to the pit that does not coincide with Kerr-McGee’s MDP. Hog fence panels (5’ X 16’) will be built and painted shadow gray and will be put up on the work side of the pit. Polypropylene netting will be installed over all pits. There will be two 500 bbl temporary frac tanks placed on the location. The trucks will unload water into these tanks before the water is placed into the refurbished pit. The

purpose of the temporary frac tanks is to collect any hydro-carbons that may have been associated with the other completion operations before releasing into the pit. The collected hydrocarbons will be treated and sold at approved sales facilities. A loading rack with drip containment will be also be installed where water trucks would unload and load to prevent damage caused from pulling hoses in and out of the pit .

ACTS will require temporarily laying multiple 6” aluminum water transfer lines on the surface between either existing or refurbished reserve pits. Please see the attached ACTS exhibit C for placement of the proposed temporary lines. The temporary aluminum transfer lines will be utilized to transport frac fluid being injected and/or recovered during the completion process and will be laid adjacent to existing access roads. Upon completion of the frac operation, the liquids transfer lines will be flushed with fresh water and purged with compressed air. The contents of the transfer lines will be flushed into a water truck for delivery to another ACTS location or a reserve pit.

The volume of frac fluid transported through a water transfer line will vary, but volume is projected to be approximately 1.75 bbls per 50-foot joint. Although the maximum working pressure is 125 psig, the liquids transfer lines will be operated at a pressure of approximately 30 to 40 psig.

Kerr-McGee requests to keep this netted pit open for one year. During this time the surrounding well location completion fluids may be recycled in this pit and utilized for other frac jobs in the area. After one year Kerr-McGee will backfill the pit and reclaim as stated in the MDP. Kerr-McGee understands that due to the temporary nature of this system, BLM considers this a casual use situation; therefore, no permanent ROW or temporary use plan will need to be issued by the BLM.

E. Location and Types of Water Supply:

See MDP for additional details on Location and Type of Water Supply.

Water for drilling and completion operations will be obtained from the following sources:

Permit # 49-2307	JD Field Services	Green River- Section 15, T2N, R22E
Permit # 49-2321	R.N. Industries	White River- Section 2, T10S, R24E
Permit # 49-2319	R.N. Industries	White River- Various Sources
Permit # 49-2320	R.N. Industries	Green River- Section 33, T8S, R23E

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

F. Construction Materials:

See MDP for additional details on Source of Construction Materials.

G. Methods for Handling Waste:

See MDP for additional details on Methods of Handling Waste Materials

Fluids disposal and pipeline/haul routes are depicted on Topo Map A.

Any produced water separated from recoverable condensate from the proposed well will be contained in a water tank and will then be transported by pipeline and/or truck to one of the pre-approved disposal sites:

RNI in Sec. 5 T9S R22E
NBU #159 in Sec. 35 T9S R21E
Ace Oilfield in Sec. 2 T6S R20E
MC&MC in Sec. 12 T6S R19E
Pipeline Facility in Sec. 36 T9S R20E
Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E
Bonanza Evaporation Pond in Sec. 2 T10S R23E

Or to one of the following Kerr-McGee active Salt Water Disposal (SWD) wells:

NBU 159 SWD in Sec. 35 T9S R21E
CIGE 112D SWD in Sec. 19 T9S R21E
CIGE 114 SWD in Sec. 34 T9S R21E
NBU 921-34K SWD in Sec. 34 T9S R21E
NBU 921-33F SWD in Sec. 34 T9S R21E

H. Ancillary Facilities:

See MDP for additional details on Ancillary Facilities.

None are anticipated.

I. Well Site Layout:

See MDP and Well Pad Design Summary for additional details on Well Site Layout.

J. Plans for Surface Reclamation:

See MDP for additional details on Plans for Reclamation of the Surface.

Site Specific Reclamation Considerations:

Reclamation Monitoring Reference Point for all wells on Pad (where a reclamation monitoring point has not been established at the time of APD submission, it will be submitted for approval under separate cover prior to surface disturbing activities):

Seed Mix to be used for Well Site, Access Road, and Pipeline (as applicable):

Bonanza Area Mix	**e Live Seed lbs/acre**
Crested Wheat (Hycrest)	2
Bottlebrush Squirreltail	1
Western Wheatgrass (Arriba)	1
Indian Ricegrass	1
Fourwing Saltbush	2
Shadscale	2
Forage Kochia	0.25
Rocky Mountain Bee Plant	0.5
Total	9.75

K. Surface/Mineral Ownership:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

L. Other Information:

See MDP for additional details on Other Information.

Onsite Specifics:

- Construction: 30 Mil Double Felt
- Facilities: Will be painted Shadow Grey
- Top Soil: Need to save 4" topsoil and will be move and put around the corner
- Need to obtain a storm water permit
- BMP on the pit use (waddles, hay bails or silt fence)

Resource Reports:

A Class I literature survey was completed on August 20, 2010 by Montgomery Archaeological Consultants, Inc (MOAC). For additional details please refer to report MOAC 10-066b.

A paleontological reconnaissance survey was completed on May 5, 2010 by SWCA Environmental Consultants. For additional details please refer to report UT10-14314-19.

Biological field survey was completed on May 3, 2010 by Grasslands Consulting, Inc (GCI). For additional details please refer to report GCI-220.

Right-of-Ways (ROW):
See MDP for additional information on ROW

M. Lessee's or Operators' Representative & Certification:

Gina T. Becker
Regulatory Analyst II
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6086

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Gina T.Becker

December 30, 2010
Date

'APIWellNo:43047514780000'

Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779

June 30, 2010

Ms. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Exception Location R649-3-3 and Directional Drilling R649-3-11
Bonanza 1023-6P3CS
T10S- R23E
Section 6: SWSE/SESE
158' FSL, 2076' FEL (surface)
95' FSL, 1250' FEL (bottom hole)
Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-3 and Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's Bonanza 1023-6P3CS is located within the area covered by Docket No. 2008-011 authorizing the equivalent of an approximate 10-acre well density pattern, and requiring approval for wells drilled at an exception location and wells drilled directionally in accordance with the referenced rules.

- Kerr-McGee is permitting this well at this location for geological reasons. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to minimize surface disturbance.

- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to Rule R6493-3 and Rule R649-3-11.

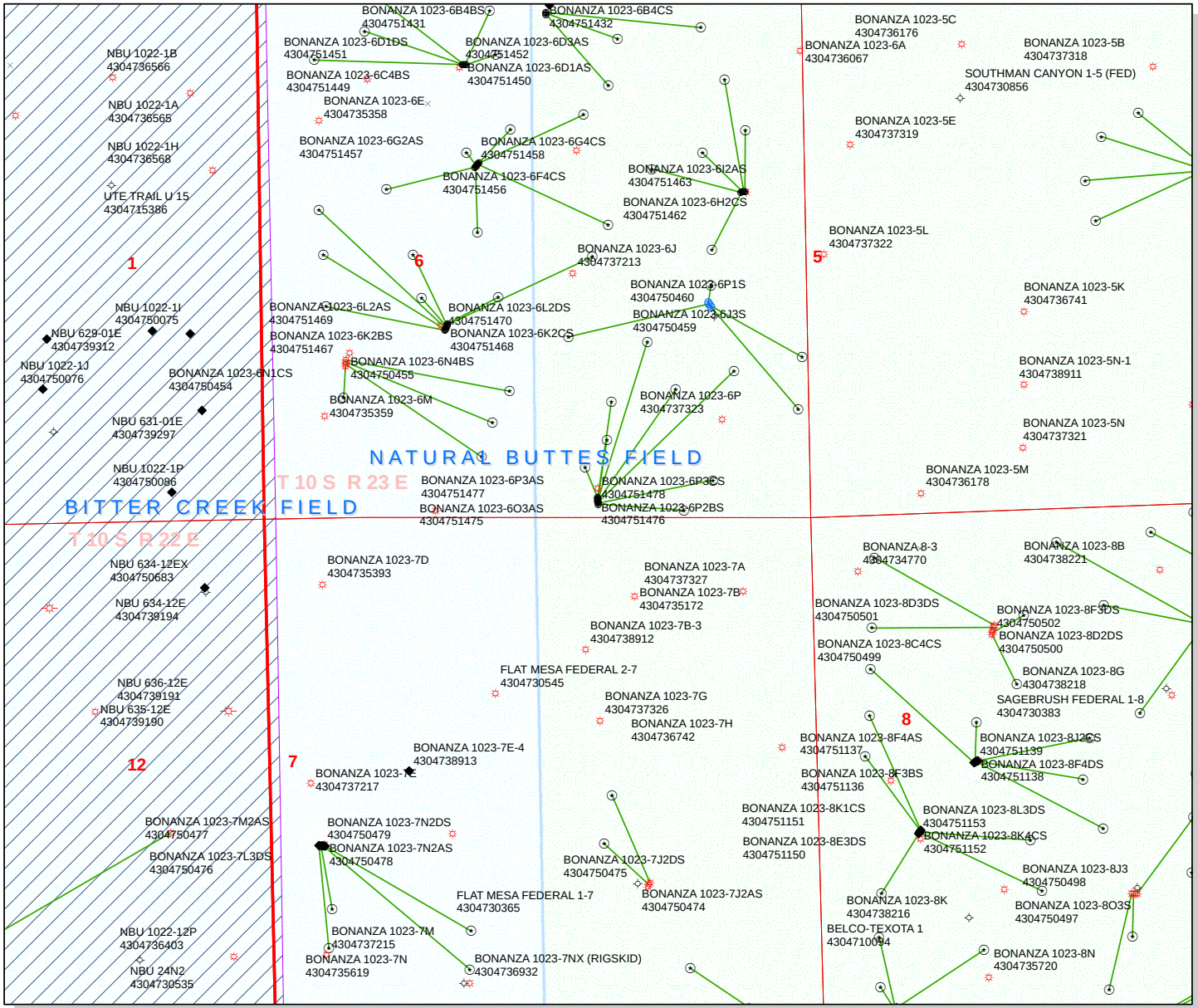
Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

Jessy Pink

Jessy Pink
Landman

'API Well No:43047514780000'



API Number: 4304751478

Well Name: BONANZA 1023-6P3CS

Township 10.0 S Range 23.0 E Section 06

Meridian: SLBM

Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
Map Produced by Diana Mason

Units

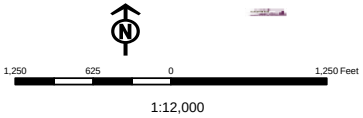
STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED
- Sections
- Township

Wells Query

Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well



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WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/4/2011 **API NO. ASSIGNED:** 43047514780000

WELL NAME: BONANZA 1023-6P3CS

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995) **PHONE NUMBER:** 720 929-6086

CONTACT: Gina Becker

PROPOSED LOCATION: SWSE 06 100S 230E **Permit Tech Review:** ✔

SURFACE: 0158 FSL 2076 FEL **Engineering Review:** ✔

BOTTOM: 0095 FSL 1250 FEL **Geology Review:** ✔

COUNTY: UINTAH

LATITUDE: 39.97107 **LONGITUDE:** -109.36701

UTM SURF EASTINGS: 639457.00 **NORTHINGS:** 4425613.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU38419 **PROPOSED PRODUCING FORMATION(S):** WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ✔ **PLAT**
- ✔ **Bond:** FEDERAL - WYB000291
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ✔ **Water Permit:** Permit #43-8496
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ✔ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ✔ **R649-3-3. Exception**
- ✔ **Drilling Unit**

Board Cause No: Cause 179-14

Effective Date: 6/12/2008

Siting: 460' Fr Exterior Drilling Unit Boundary

- ✔ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:

1 - Exception Location - dmason
3 - Commingling - ddoucet
4 - Federal Approval - dmason
15 - Directional - dmason

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: BONANZA 1023-6P3CS
API Well Number: 43047514780000
Lease Number: UTU38419
Surface Owner: FEDERAL
Approval Date: 1/19/2011

Issued to:
KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-14. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:
Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

Commingle:
In accordance with Board Cause No. 179-14, commingling of the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

API Well No: 43047514780000

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
JAN 04 2010
BLM

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. UTU38419
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA Agreement, Name and No. CA-60768 CR-3
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone	8. Lease Name and Well No. BONANZA 1023-6P3CS
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE LP — Contact: GINA T BECKER — E-Mail: GINA.BECKER@ANADARKO.COM	9. API Well No. 43 047 51478
3a. Address P.O. BOX 173779 DENVER, CO 80202-3779 — 3b. Phone No. (include area code) Ph: 720-929-6086 Fx: 720-929-7086	10. Field and Pool, or Exploratory BONANZA
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface SWSE 158FSL 2076FEL 39.97112 N Lat, 109.36752 W Lon — At proposed prod. zone SESE 95FSL 1250FEL 39.97095 N Lat, 109.36458 W Lon	11. Sec., T., R., M., or Blk. and Survey or Area Sec 6 T10S R23E Mer SLB
14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 51.7 MILES SOUTH OF VERNAL, UTAH	12. County or Parish UINTAH — 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 95 — 16. No. of Acres in Lease 516.80	17. Spacing Unit dedicated to this well
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 828 — 19. Proposed Depth 8580 MD 8455 TVD	20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KB, RT, GL, etc. 5267 GL — 22. Approximate date work will start 06/30/2011	23. Estimated duration 60-90 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) GINA T BECKER Ph: 720-929-6086	Date 01/04/2011
Title REGULATORY ANALYST II		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date NOV 16 2011
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. **CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #99915 verified by the BLM Well Information System
For KERR-MCGEE OIL & GAS ONSHORE, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 01/06/2011 ()

NOTICE OF APPROVAL

RECEIVED
NOV 21 2011
DIV. OF OIL, GAS & MINING

UDOGM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-440

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr McGee Oil & Gas Onshore, LP**	**Location:**	**SWSE, Sec. 6, T10S, R23E (S) SESE, Sec. 6, T10S, R23E (B)**
Well No:	**Bonanza 1023-6P3CS**	**Lease No:**	**UTU-38419**
API No:	**43-047-51478**	**Agreement:**	**CA UTU-60768**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs

- Kerr McGee will adhere to all applicant committed conservation measures and conservation recommendations that are stated in the USFWS's "Final Biological Opinion for the Anadarko Petroleum Corporation Natural Buttes Unit and Bonanza Area Natural Gas Development Project.
- The operator will follow the Green River District Reclamation Guidelines for Reclamation.
- During operations if any vertebrate paleontological resources are discovered, in accordance with Section 6 of Form 3100-11 and 43 CFR 3162.1, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hours of the discovery, and a decision as to the preferred alternative/course of action will be rendered.

Mitigation for Invasive Weeds

- All vehicles and equipment will be cleaned either through power-washing, or other approved method, if the vehicles or equipment were previously operated outside the Uinta Basin, to prevent weed seed introduction.

- All disturbance areas will be monitored for noxious weeds annually, for a minimum of three growing seasons following completion of project or until desirable vegetation is established

- Noxious and invasive weeds will be controlled throughout the area of project disturbance.

- Noxious weeds will be inventoried and reported to BLM in the annual reclamation report. Where an integrated pest management program is applicable, coordination has been undertaken with the state and local management program (if existing). A copy of the pest management plan will be submitted for each project.

- A pesticide use permit (PUP) will be obtained for the project, if applicable.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A copy of Kerr McGee's Standard Operating Practices (SOP version: dated 7/17/08 and approved 7/28/08) shall be on location.
- Surface casing cement shall be brought to surface.
- Production casing cement shall be brought 200' up and into the surface casing.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or work-over program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, work-over, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or work-over equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU38419

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6P3CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047514780000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0158 FSL 2076 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 06 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 1/19/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining
January 23, 2012
Date:
By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 1/17/2012

RECEIVED: Jan. 17, 2012

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047514780000

API: 43047514780000
Well Name: BONANZA 1023-6P3CS
Location: 0158 FSL 2076 FEL QTR SWSE SEC 06 TWNP 100S RNG 230E MER S
Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.
Date Original Permit Issued: 1/19/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Signature: Danielle Piernot **Date:** 1/17/2012
Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

RECEIVED: Jan. 17, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU38419

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-6P3CS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047514780000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6526

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0158 FSL 2076 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWSE Section: 06 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☑ SPUD REPORT Date of Spud: 2/4/2012	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU TRIPPLE BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL ON 02/04/2012 AT 0730 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
February 08, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE		**DATE**
N/A		2/7/2012

RECEIVED: Feb. 07, 2012

SUBMIT AS EMAIL | Print Form

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
Submitted By SHEILA WOPSOCK Phone Number 435.781.7024
Well Name/Number BONANZA 1023-6P3CS
Qtr/Qtr SWSE Section 6 Township 10S Range 23E
Lease Serial Number UTU-38419
API Number 4304751478

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 02/03/2012 1400 HRS AM ☑ PM ☐

Casing – Please report time casing run starts, not cementing times.

☑ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

RECEIVED
JAN 3 1 2012
DIV. OF OIL, GAS & MINING

Date/Time 02/22/2012 0800 HRS AM ☑ PM ☐

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks ESTIMATED DATE AND TIME. PLEASE CONTACT ~~LOVEL YOUNG AT 435.781.7051 FOR MORE~~

FORM 6

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304751477	BONANZA 1023-6P3AS		SWSE	6	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	18421	2/3/2012			2/15/12	

Comments: MIRU TRIPPLE A BUCKET RIG.
SPUD WELL ON 02/03/2012 AT 1500 HRS BHL: SESE
WSMVD

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304751478	BONANZA 1023-6P3CS		SWSE	6	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	18422	2/4/2012			2/15/12	

Comments: MIRU TRIPPLE A BUCKET RIG.
SPUD WELL ON 02/04/2012 AT 0730 HRS. BHL: SESE
WSMVD

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA WOPSOCK
Name (Please Print)
Signature
REGULATORY ANALYST
Title
2/7/2012
Date

RECEIVED
FEB 07 2012
Div. of Oil, Gas & Mining

(5/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU38419

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6P3CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047514780000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0158 FSL 2076 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 06 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 2/21/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU AIR RIG ON FEBRUARY 19, 2012. DRILLED SURFACE HOLE TO 2,452'. RAN SURFACE CASING AND CEMENTED. WELL IS WAITING ON ROTARY RIG. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 01, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE N/A		**DATE** 2/22/2012

Sundry Number: 23850 API Well Number: 43047514780000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU38419

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-6P3CS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047514780000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6526

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0158 FSL 2076 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWSE Section: 06 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/12/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests approval for changes in the drilling plan. Specifically, the Operator requests approval for closed loop drilling option, surface casing and production casing changes. All other aspects of the previously approved drilling plan will not change. These proposals do not deviate from previously submitted and approved plans. Please see attachments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: March 20, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE		**DATE**
N/A		3/12/2012

RECEIVED: Mar. 12, 2012

Kerr-McGee Oil & Gas Onshore. L.P.

BONANZA 1023-6P3CS

Surface: 158 FSL / 2076 FEL SWSE
BHL: 95 FSL / 1250 FEL SESE

Section 6 T10S R23E

Uintah County, Utah
Mineral Lease: UTU-38419

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. & 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Formation	Depth	Resource
Uinta	0 - Surface	
Green River	1,216'	
Birds Nest	1,457'	Water
Mahogany	1,910'	Water
Wasatch	4,185'	Gas
Mesaverde	6,293'	Gas
Sego	8,455'	Gas
TVD	8,455'	
TD	8,580'	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program

6. **Evaluation Program:**

Please refer to the attached Drilling Program

RECEIVED: Mar. 12, 2012

7. Abnormal Conditions:

Maximum anticipated bottom hole pressure calculated at 8502' TVD, approximately equals 5,411 psi 0.64 psi/ft = actual bottomhole gradient

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 3,539 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press.(MASP) = (Pore Pressure at next csg point-
(0.22 psi/ft-partial evac gradient x TVD of next csg point))

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.
Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- Blowout Prevention Equipment (BOPE) requirements;
- Mud program requirements; and
- Special drilling operation (surface equipment placement) requirements associated with air drilling.

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

RECEIVED: Mar. 12, 2012

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12 1/4 inch hole for the first 200 feet, then will drill a 11inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 8-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements
The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements
Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements
Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and

on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Variance for FIT Requirements
KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion
The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

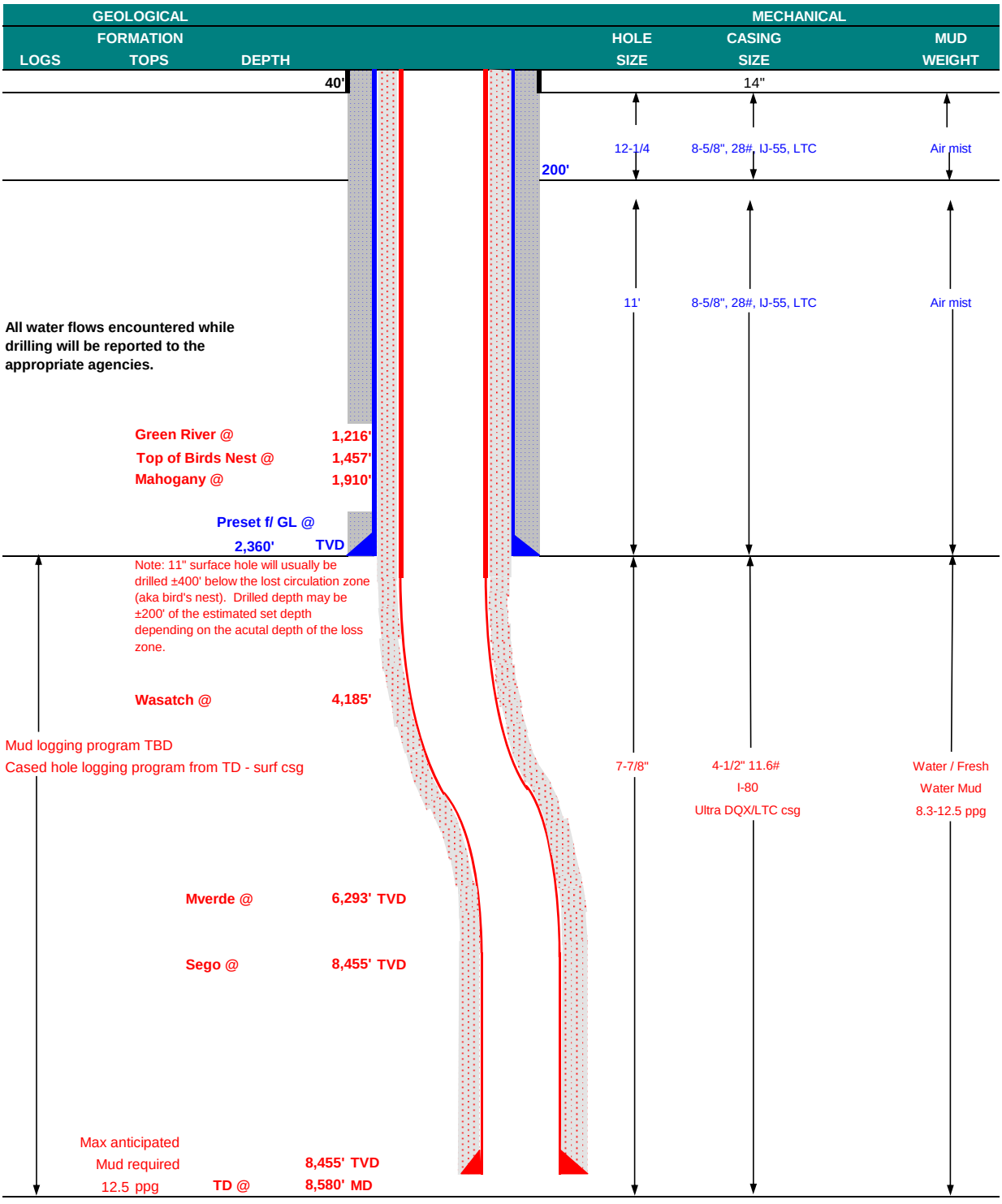
Please refer to the attached Drilling Program.

RECEIVED: Mar. 12, 2012

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	March 12, 2012	
WELL NAME	**BONANZA 1023-6P3CS**		TD	8,455' TVD	8,580' MD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,266'
SURFACE LOCATION	SWSE	158 FSL	2076 FEL	Sec 6	T 10S R 23E
	Latitude:	39.971123	Longitude:	-109.367523	NAD 83
BTM HOLE LOCATION	SESE	95 FSL	1250 FEL	Sec 6	T 10S R 23E
	Latitude:	39.970951	Longitude:	-109.364576	NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.				



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	LTC	DQX TENSION
CONDUCTOR	14"	0-40'									
								3,390	1,880	348,000	N/A
SURFACE	8-5/8"	0	to	2,360	28.00	IJ-55	LTC	2.29	1.70	6.01	N/A
								7,780	6,350	223,000	267,035
PRODUCTION	4-1/2"	0	to	5,000	11.60	I-80	DQX	1.11	1.16		3.32
	4-1/2"	5,000	to	8,580'	11.60	I-80	LTC	1.11	1.16	6.64	

Surface Casing:

(Burst Assumptions: TD = 12.5 ppg) 0.73 psi/ft = frac gradient @ surface shoe

Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 7000 psi) 0.64 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT		YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	180	60%	15.80		1.15
Option 1			+ 0.25 pps flocele					
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	270	0%	15.80		1.15
			+ 2% CaCl + 0.25 pps flocele					
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized						
Option 2	LEAD	1,860'	65/35 Poz + 6% Gel + 10 pps gilsonite	170	35%	11.00		3.82
			+ 0.25 pps Flocele + 3% salt BWOW					
	TAIL	500'	Premium cmt + 2% CaCl	150	35%	15.80		1.15
			+ 0.25 pps flocele					
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80		1.15
PRODUCTION	LEAD	3,680'	Premium Lite II +0.25 pps	290	35%	12.00		3.38
			celloflake + 5 pps gilsonite + 10% gel					
			+ 0.5% extender					
	TAIL	4,900'	50/50 Poz/G + 10% salt + 2% gel	1,160	35%	14.30		1.31
			+ 0.1% R-3					

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. 15 centralizers for a Mesaverde and 20 for a Blackhawk well. 1 centralizer on the first 3 joints and one every third joint thereafter.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

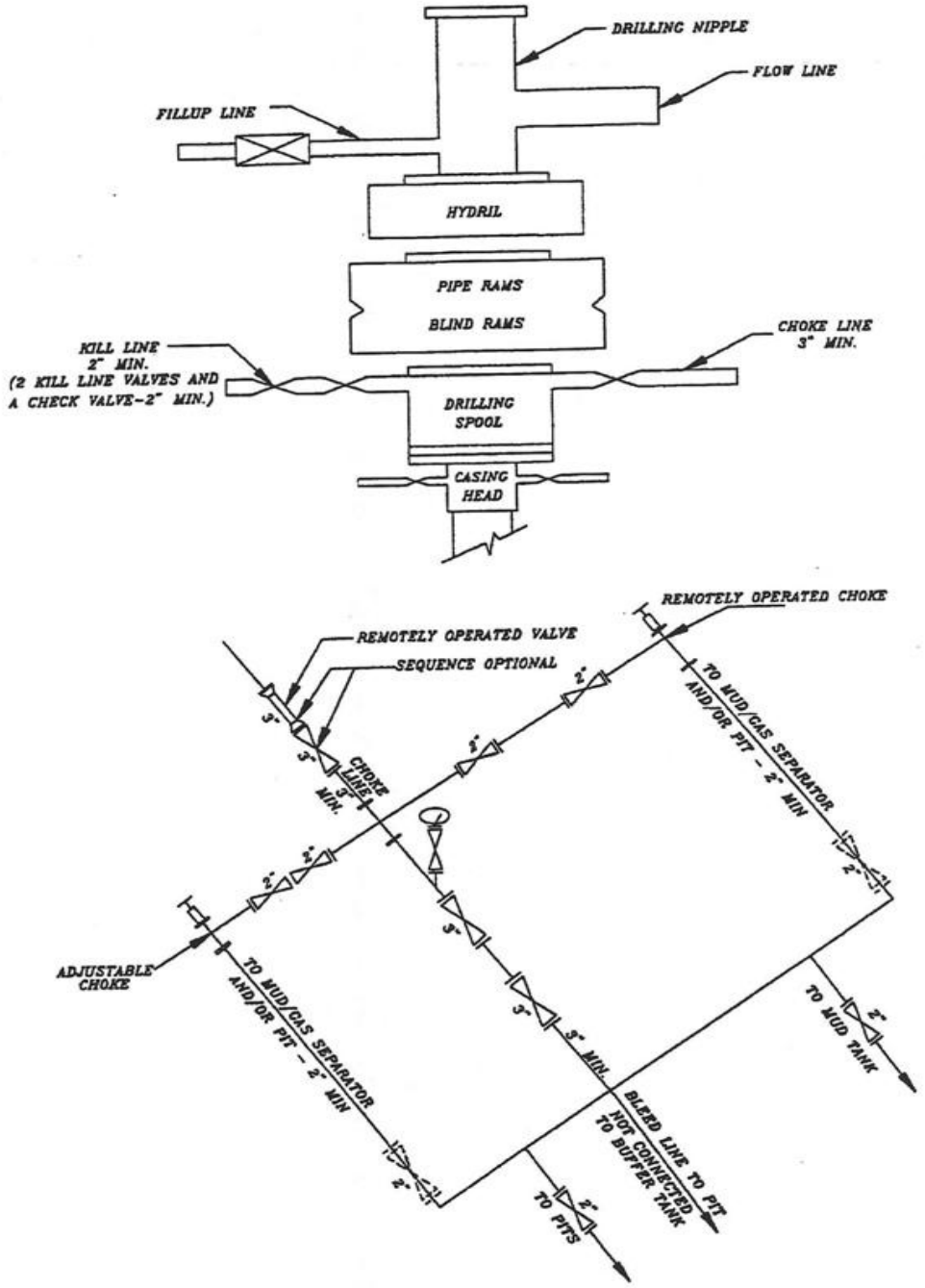
DRILLING ENGINEER: _____ **DATE:** _____

Nick Spence / Danny Showers / Chad Loesel

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Kenny Gathings / Lovel Young

EXHIBIT A
BONANZA 1023-6P3CS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

RECEIVED: Mar. 12, 2012

Requested Drilling Options:

Kerr-McGee will use either a closed loop drilling system that will require one pit and one cuttings storage area to be constructed on the drilling pad or a traditional drilling operation with one pit used for drilling and completion operations. The cuttings storage area will be used to contain only the de-watered drill cuttings and will be lined and bermed to prevent any liquid runoff. The drill cuttings will be buried in the completion pit once completion operations are completed according to traditional pit closure standards. The pit will be constructed to allow for completion operations. The completion operations pit will be lined with a synthetic material 20 mil or thicker and will be used for the completing of the wells on the pad or used as part of our Aandarko Completions Transportation System (ACTS). Using the closed loop drilling system will allow Kerr-McGee to decrease the amount of disturbance/footprint on location compared to a single large drilling/completions pit.

If Kerr-McGee does not use a closed loop drilling system, it will construct a traditional drilling/completions pit to contain drill cuttings and for use in completion operations. The pit will be lined with a synthetic material 20 mil or thicker. The drill cuttings will be buried in the pit using traditional pit closure standards.

RECEIVED: Mar. 12, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU38419

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6P3CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047514780000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0158 FSL 2076 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 06 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 4/25/2012	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
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	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: ACTS PIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU ROTARY RIG. FINISHED DRILLING FROM 2452' TO 8603' ON 4/24/2012. RAN 4-1/2" 11.6# I-80 PRODUCTION CASING. CEMENTED PRODUCTION CASING. RELEASED XTREME 12 RIG ON 4/25/2012 @ 11:00 HRS. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH THE WELL COMPLETION REPORT. WELL IS WAITING ON FINAL COMPLETION ACTIVITIES. THE PIT ON THIS LOCATION WILL BE REFURBISHED AND UTILIZED AS PART OF THE ACTS SYSTEM.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
May 29, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 4/26/2012

RECEIVED: Apr. 26, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU38419

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6P3CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047514780000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0158 FSL 2076 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 06 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 7/6/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
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	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No activity for the month of June 2012. Well TD at 8,603'.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
July 10, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE N/A		**DATE** 7/6/2012

RECEIVED: Jul. 06, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU38419

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-6P3CS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047514780000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6526

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0158 FSL 2076 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWSE Section: 06 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
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✓ DRILLING REPORT Report Date: 8/2/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
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	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Started completing the well in July 2012. Well TD at 8,548'.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
August 06, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Cara Mahler	720 929-6029	Regulatory Analyst I
SIGNATURE		**DATE**
N/A		8/2/2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

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SUNDRY NOTICES AND REPORTS ON WELLS

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KERR-MCGEE OIL & GAS ONSHORE, L.P.

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3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6526

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0158 FSL 2076 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWSE Section: 06 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

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☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 9/4/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Started completing the well in August 2012. Well TD at 8,603

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
September 05, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lindsey Frazier	720 929-6857	Regulatory Analyst II
SIGNATURE		**DATE**
N/A		9/4/2012

RECEIVED: Sep. 04, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU38419

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6P3CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047514780000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0158 FSL 2076 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 06 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 9/6/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 9/6/2012. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
September 12, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Cara Mahler	720 929-6029	Regulatory Analyst I
SIGNATURE		**DATE**
N/A		9/7/2012

RECEIVED

OCT 0 2 2012

DIV. OF OIL, GAS & MINING

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU38419

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. UTU88209A

2. Name of Operator KERR MCGEE OIL & GAS ONSHORE LP
Contact: JAIME L. SCHARNOWSKE
E-Mail: JAIME.SCHARNOWSKE@ANADARKO.COM

8. Lease Name and Well No. BONANZA 1023-6P3CS

3. Address PO BOX 173779 DENVER, CO 80217
3a. Phone No. (include area code) Ph: 720-929-6304

9. API Well No. 43-047-51478

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SWSE 158FSL 2076FEL 39.971122 N Lat, 109.367522 W Lon
At top prod interval reported below SESE 98FSL 1249FEL
At total depth SESE 103FSL 1250FEL BHL by HSM

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 6 T10S R23E Mer SLB

12. County or Parish UINTAH
13. State UT

14. Date Spudded 02/04/2012
15. Date T.D. Reached 04/24/2012
16. Date Completed ☐ D & A ☒ Ready to Prod. 09/06/2012
17. Elevations (DF, KB, RT, GL)* 5265 GL

18. Total Depth: MD 8603 TVD 8482
19. Plug Back T.D.: MD 8548 TVD 8427
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
RCBL/GR/CCL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7	0	40		28			
11.000	8.625 IJ-55	28.0	0	2434		975		0	
7.875	4.500 I-80	11.6	0	8593		1425		360	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7983							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	WASATCH	6207	6373	6207 TO 6373	0.360	24	OPEN
B)	MESAVERDE	7063	8390	7063 TO 8390	0.360	136	OPEN
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7063 TO 8390	PUMP 6,502 BBLS SLICK H2O & 144,655 LBS 30/50 OTTAWA SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/06/2012	09/08/2012	24	→	0.0	2129.0	0.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
20/64	1457	2056.0	→	0	2129	0		PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #152247 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER	1232
				BIRD'S NEST	1488
				MAHOGANY	1971
				WASATCH	4318
				MESAVERDE	6448

32. Additional remarks (include plugging procedure):
The first 210?of the surface hole was drilled with a 12 ?? bit. The remainder of surface hole was drilled with an 11? bit. DQX csg was run from 4990 ft; LTC csg was run from 4,990 ft to 8,593 ft. Attached is the chronological well history, perforation report & final survey.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #152247 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE,L, sent to the Vernal

Name *(please print)* JAIME L. SCHARNOWSKE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 09/27/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)		Spud Date: 2/20/2012
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD	Rig Name No: PROPETRO 11/11, XTC 12/12
Event: DRILLING	Start Date: 2/19/2012	End Date: 4/25/2012
Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
2/19/2012	20:00 - 23:30	3.50	MIRU	01	B	P		SKID RIG 10' TO BONANZA 1023-6P3AS, WELL(7 OF 8). INSTALL DIVERTOR HEAD AND BLUEY LINE. BUILD DITCH. SPOT IN RIG. SPOT IN CATWALK AND PIPE RACKS. RIG UP PIT PUMP. RIG UP PUMP. PRIME PUMP. INSPECT RIG. HELD PRE-SPUD SAFETY MEETING.
	23:30 - 0:00	0.50	DRLSUR	02	D	P		PICK UP #1 BHA, TRIP IN HOLE, SPUD 12.25 HOLE
2/20/2012	0:00 - 1:30	1.50	DRLSUR	02	D	P		DRILL 12.25" HOLE 44'- 210'. (166"-110.6'/HR) RPM=45, WOB 5-15K. PSI ON/OFF 600/400. UP/DOWN/ ROT 20/20/20 K. DRAG 0 K. CIRC RESERVE W. 8.3# WATER. DRILL DOWN TO 210' W/ 6" COLLARS.
	1:30 - 3:30	2.00	DRLSUR	06	A	P		TRIP OUT OF HOLE, PICK UP 11" BIT AND DIRECTIONAL TOOLS, TRIP IN HOLE T/ 210'
	3:30 - 16:30	13.00	DRLSUR	02	D	P		DRILL F/210- T/1840' (1630' @ 125.4' ROP WOB 20K, RPM 55 UP/DWN/ROT 68/45/57 PSI ON/OFF 1680/1580 M.W. 8.4# LOST CIRCULATION @ 1600'
	16:30 - 0:00	7.50	DRLSUR	02	D	P		DRILL F/1630' - T/2350' (720' @ 96' ROP) WOB 20K, RPM 45 UP/DWN/ROT 90/60/70 M.W. 8.4#
2/21/2012	0:00 - 2:00	2.00	DRLSUR	02	D	P		DRILL F/2350'-2452' (102' @ 51' PER HR) WOB 20K, RPM 45 PSI ON/OFF 1900/1750 UP/DWN/ROT 90/60/74 MW 8.4 VIS 26 1.7' LOW - 3.10' RIGHT HAD PROBLEMS WITH CUTTINGS IN OUR PIT
	2:00 - 4:00	2.00	DRLSUR	05	D	P		CIRCULATE FOR TRIP OUT
	4:00 - 7:30	3.50	DRLSUR	06	D	P		TRIP OUT OF HOLE LAYING DOWN DRILL STRING & BOTTOM HOLE ASSEMBLY
	7:30 - 8:30	1.00	DRLSUR	12	A	P		MOVE PIPE RACKS AND CATWALK. PULL DIVERTER HEAD. RIG UP TO RUN CSG. AND MOVE CSG INTO POSITION TO P/U.
	8:30 - 10:00	1.50	DRLSUR	12	C	P		RUN 55 JTS 8 5/8, 28# CSNG. SHOE SET @ 2417', BAFFLE SET @ 2373'
	10:00 - 11:00	1.00	DRLSUR	21	E	Z		WAIT ON PRO PETRO CEMENTERS (BAD ROADS)
	11:00 - 11:30	0.50	DRLSUR	12	B	P		HOLD SAFETY MEETING, RUN 200' OF 1". RIG DOWN RIG MOVE OFF WELL, REBUILD DITCH. RIG UP CEMENT TRUCK, 2" HARD LINES,. CEMENT HEAD, LOAD PLUG.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)			Spud Date: 2/20/2012
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD		Rig Name No: PROPETRO 11/11, XTC 12/12
Event: DRILLING	Start Date: 2/19/2012		End Date: 4/25/2012
Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	11:30 - 13:00	1.50	DRLSUR	12	E	P		PRESSURE TEST LINES TO 2000 PSI. PUMP 140 BBLS OF WATER AHEAD. PUMP 20 BBLS OF 8.3# GEL WATER AHEAD. PUMP (300 SX) 61.35 BBLS OF 15.8# 1.15 YD 5 GAL/SK PREMIUM CEMENT W/ 2% CALC. DROP PLUG ON FLY. DISPLACE W/ 148.3 BBLS OF H20. NO CIRC THROUGH OUT. FINAL LIFT OF 180 PSI AT 8 BBL/MIN. BUMP PLUG W/550 PSI HELD FOR 5 MIN. FLOAT HELD. PUMP (150 SX) 30.64 BBLS OF SAME TAIL CEMENT W/ 4% CALC. DOWN BACK SIDE. SHUT DOWN AND CLEAN TRUCK. NO CEMENT TO SURFACE.
	15:00 - 16:00	1.00	DRLSUR	13	A	P		WOC , PUMP (225 SX) 15.8 CMT DOWN BACKSIDE. NO RETURNS TO SURFACE
4/21/2012	18:00 - 19:00	1.00	MIRU	01	C	P		PULL CAT WALK FORWARD. INSTALL SKID RAILS. PREPARE RIG FOR SKID AND SKID RIG FORWARD 10'. RESET CATWALK AND INSTALL VIBRATING HOSES. CENTER AND LEVEL RIG OVER HOLE. BREAK DOWN CHOKE LINE TO SKID.
	19:00 - 20:00	1.00	MIRU	14	A	P		NIPPLE UP BOPE. TIGHTEN WEATHERFORD QUICK FLANGE. ADD 22' EXTENSION TO CHOKE LINE. ADD EXTENSION TO FLOW LINE.
	20:00 - 0:00	4.00	MIRU	15	A	P		HOLD SAFETY MEETING. TEST TOP DRIVE VALVE, I-BOP VALVE, FLOOR VALVE, DART VALVE, PIPE AND BLIND RAMS, INSIDE AND OUTSIDE KILL LINE VALVES INSIDE CHOKE LINE VALVE, HCR VALVE, CHOKE LINE, CHOKE MANIFOLD VALVES AND CHOKES TO 5000 PSI FOR 10 MIN AND 250 PSI FOR 5 MIN. TEST ANNULLAR TO 2500 PSI FOR 10 MIN AND 250 PSI FOR 5 MIN. TESTING CASING TO 1500 PSI FOR 30 MIN @ MIDNIGHT.
4/22/2012	0:00 - 0:30	0.50	MIRU	15	A	P		FINISH TESTING CASING TO 1500 PSI FOR 30 MIN. INSTALL WEAR BUSHING WITH 8" ID WITH EVEN WEAR.
	0:30 - 1:30	1.00	MIRU	07	A	P		SERVICE RIG. SERVICE TOP DRIVE. SERVICE CROWN. PERFORMED PRESPUD SAFETY INSPECTION. PLACED GRATINGS OVER EXPOSED CELLARS.
	1:30 - 4:30	3.00	MIRU	06	A	P		P/U WEATHERFORD 1.41 BH .16 RPG MOTOR (SN 41164). MADE UP SMITH MDI 616 BIT W/ 6-15'S (SN JF6192). SCRIBED MOTOR. P/U DOUBLE PIN, NON MAG TOOL CARRIER AND EM SUB. INSTALL EM TOOL. P/U MONEL AND CROSSOVER TO HWDP. TRIP IN HOLE WITH HEAVY WEIGHT DRILL PIPE @ 918'
	4:30 - 6:00	1.50	MIRU	09	A	P		SLIP AND CUT 52' OF DRILL LINE.
	6:00 - 7:30	1.50	MIRU	02	D	P		INSTALL NEW ROTATING HEAD RUBBER. TRIP IN HOLE WITH DRILL PIPE. TAG CEMENT 2273'.
	7:30 - 8:30	1.00	DRLPRO	02	F	P		SPUD 4/23/2012 07:30 DRILL CEMENT AND FLOAT EQUIPMENT 2273'-2463'. SURFACE CASING SHOE @ 2428'. DRILLED WITH 15K ON BIT AND 45 RPM. @ 450 GPM.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)		Spud Date: 2/20/2012
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD	Rig Name No: PROPETRO 11/11, XTC 12/12
Event: DRILLING	Start Date: 2/19/2012	End Date: 4/25/2012
Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:30 - 9:00	0.50	DRLPRC	22	L	X		FLOAT RUBBER PARTIALLY PLUGGED UP FLOW LINE THIS CAUSED BACK PRESSURE WHICH BLEW SEAL ON PASON FLOW SENSOR. REPLACE SEAL ON FLOW PADDLE.
	9:00 - 17:30	8.50	DRLPRC	02	D	P		DRILL SLIDE 2463'-3550' (1087', 128'./HR) WEIGHT ON BIT 18-23K. AVERAGE WEIGHT ON BIT 22K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. ON/OFF PSI 1825/1500. DIFFERENTIAL 325. TORQUE HIGH/LOW 9200/7600. OFF BOTTOM TORQUE 3400 STRING WEIGHT UP/DOWN/ROT 102/80/88. DRAG 14K. DRILL OUT OF SHOE @ 20 DEGREES STARTED DROP @ 2600' 2' HIGH AND 14' RIGHT OF LINE @ 3550'. SLIDE 80' AT 60'/HR. SLIDE 7% ROTATE 93%. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.5 VIS 27.) USED 59 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 93 BBLS DRILL WATER INTO FORMATION. (LOSING 11 BBLS HR) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'. (USE 80 BBLS LIGHT DRILL WATER WITH 32 VIS AS BASE FOR BUILDING SWEEPS.) (ADD 80 BBLS OF FRESH WATER FOR MAKE UP) (CUTTING PIT EMPTY. NO FLARE. (BOP DRILL 45 SEC)
	17:30 - 18:00	0.50	DRLPRC	07	A	P		SERVICE RIG. SERVICE TOP DRIVE. SERVICE CROWN. CHECK BRAKE ADJUSTMENT AND TEST EMERGENCY STOP BUTTON.

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)			Spud Date: 2/20/2012
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD		Rig Name No: PROPETRO 11/11, XTC 12/12
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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	18:00 - 0:00	6.00	DRLPRC	02	D	P		DRILL SLIDE 3550'- 4619' (1069',178'/HR) WEIGHT ON BIT 18-23K. AVERAGE WEIGHT ON BIT 22K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. ON/OFF PSI 2000/1600. DIFFERENTIAL 400. TORQUE HIGH/LOW 10600/8300. OFF BOTTOM TORQUE 5000 STRING WEIGHT UP/DOWN/ROT 122/90/100. DRAG 22K. DROP OUT INTO DRILLERS TARGET. WELL VERTICAL BY 3900'. 7' NORTH AND 5' EAST OF CENTER @ 4589'. SLIDE 0' SLIDE 0% ROTATE 100%. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.5 VIS 27.) USED 58 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 75 BBLS DRILL WATER INTO FORMATION. (LOSING 12.5 BBLS HR) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'. (USE 60 BBLS LIGHT DRILL WATER WITH 32 VIS AS BASE FOR BUILDING SWEEPS.) (ADD 70 BBLS OF FRESH WATER FOR MAKE UP) (CUTTING PIT EMPTY. NO FLARE.
4/23/2012	0:00 - 5:30	5.50	DRLPRO	02	D	P		DRILL SLIDE 4619'-5501' (882',160'/HR) WEIGHT ON BIT 18-23K. AVERAGE WEIGHT ON BIT 22K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. ON/OFF PSI 2100/1750. DIFFERENTIAL 350. TORQUE HIGH/LOW 10900/8800. OFF BOTTOM TORQUE 7100 STRING WEIGHT UP/DOWN/ROT 135/97/108. DRAG 27K. DROP OUT INTO DRILLERS TARGET. WELL VERTICAL BY 3900'. 7' NORTH AND 4' EAST OF CENTER @ 5501'. SLIDE 42' @ 50'/HR SLIDE 5% ROTATE 95%. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.5 VIS 26.) USED 48 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 84 BBLS DRILL WATER INTO FORMATION. (LOSING 14 BBLS HR) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'. (ADD 100 BBLS OF FRESH WATER FOR MAKE UP)(CUTTING PIT EMPTY. NO FLARE.
	5:30 - 6:00	0.50	DRLPRO	07	A	P		RIG SERVICE. SERVICE TOP DRIVE. CHECK BRAKES ADJUSTMENT. CHECK EMERGENCY STOP BUTTON.

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)			Spud Date: 2/20/2012
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD		Rig Name No: PROPETRO 11/11, XTC 12/12
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Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	6:00 - 12:00	6.00	DRLPRO	02	D	P		DRILL SLIDE 5501'- 6182' (681', 114'/HR) WEIGHT ON BIT 18-23K. AVERAGE WEIGHT ON BIT 22K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. ON/OFF PSI 2200/1800. DIFFERENTIAL 400. TORQUE HIGH/LOW 11000/8900. OFF BOTTOM TORQUE 6100 STRING WEIGHT UP/DOWN/ROT 147/103/117. DRAG 30K. SLIDE TO REMAIN IN TARGET. 0' NORTH AND 2' EAST OF CENTER @ 6182'. SLIDE 27' @ 44'/HR SLIDE 4% ROTATE 96%. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.5 VIS 26.) USED 37 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 80 BBLS DRILL WATER INTO FORMATION. (LOSING 13 BBLS HR) PUMP 60 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'.(USE 75 BBLS LIGHT DRILL WATER WITH 32 VIS AS BASE FOR BUILDING SWEEPS.) (ADD 130 BBLS OF FRESH WATER FOR MAKE UP) NO FLARE.
	12:00 - 17:30	5.50	DRLPRO	02	D	P		DRILL SLIDE 6182'- 6860' (678', 123'/HR) WEIGHT ON BIT 18-23K. AVERAGE WEIGHT ON BIT 22K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. ON/OFF PSI 2300/1925. DIFFERENTIAL 375. TORQUE HIGH/LOW 12400/10100. OFF BOTTOM TORQUE 8500 STRING WEIGHT UP/DOWN/ROT 161/113/130. DRAG 31K. SLIDE TO REMAIN IN TARGET. 16' NORTH AND 7' WEST OF CENTER @ 6860'. SLIDE 12' @ 32'/HR SLIDE 2% ROTATE 98%. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.5 VIS 26.) USED 37 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 90 BBLS DRILL WATER INTO FORMATION. (LOSING 15 BBLS HR) PUMP 60 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'.(USE 60 BBLS LIGHT DRILL WATER WITH 32 VIS AS BASE FOR BUILDING SWEEPS.) NO FLARE.
	17:30 - 18:00	0.50	DRLPRO	07	A	P		RIG SERVICE. SERVICE TOP DRIVE. GREASE CROWN. CHECK BRAKE ADJUSTMENT AND TEST EMERGENCY STOP BUTTON.

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)		Spud Date: 2/20/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD		Rig Name No: PROPETRO 11/11, XTC 12/12
Event: DRILLING	Start Date: 2/19/2012		End Date: 4/25/2012
Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	18:00 - 0:00	6.00	DRLPRO	02	D	P		DRILL SLIDE 6860'- 7631' (771', 128.5'/HR) WEIGHT ON BIT 18-25K. AVERAGE WEIGHT ON BIT 24K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. ON/OFF PSI 2500/2100. DIFFERENTIAL 400. TORQUE HIGH/LOW 13000/10400. OFF BOTTOM TORQUE 8800 STRING WEIGHT UP/DOWN/ROT 176/119/136. DRAG 40K. SLIDE TO REMAIN IN TARGET. 18' NORTH AND 8' WEST OF CENTER @ 7581'. SLIDE 25' @ 30'/HR SLIDE 3% ROTATE 97%. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.5 VIS 26.) USED 42 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 60 BBLS DRILL WATER INTO FORMATION. (LOSING 10 BBLS HR) PUMP 60 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200' TO 7500'. TRANSFER IN 150 BBLS LIGHT DRILL WATER WITH 32 VIS TO HELP LIGHT MUD UP @ 7500'. AT 7500 STOPPED DEWATERING AND WENT CONVENTIONAL. (MUD OUT WT 8.8 VIS 32 / MUD IN WT 8.8/ VIS 30.) 7' CONNECTION FLARES FROM 7411' (5 MIN FLARE UP EACH CONNECITION) 546-SCF
4/24/2012	0:00 - 5:30	5.50	DRLPRO	02	D	P		DRILL 7631'- 8156' (525',95'/HR) WEIGHT ON BIT 18-25K. AVERAGE WEIGHT ON BIT 24K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. ON/OFF PSI 2500/2200. DIFFERENTIAL 300. TORQUE HIGH/LOW 12100/9700. OFF BOTTOM TORQUE 9200 STRING WEIGHT UP/DOWN/ROT 180/128/142. DRAG 38K. 20' NORTH AND 8' WEST OF CENTER @8156'. SLIDE 0' SLIDE 0% ROTATE 100%. RUNNING SOLID CONTROL EQUIPMENT CONVENTIONAL. (MUD OUT WT 9.0 VIS 32 / MUD IN WT 9.0/ VIS 32.) USED 29 BBLS FOR HOLE VOLUME. LOSS 36 BBLS INTO FORMATION. (LOSING 6 BBLS HR).MIX 5% LCM SWEEP EVERY 100' TO HELP CONTROL LOSSES. 10' CONNECTION FLARE FROM 7690' 10 MIN A CONNECTION - 5922 SCF 15' DRILL FLARE FROM 7825' - 67134 SCF

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)			Spud Date: 2/20/2012
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD		Rig Name No: PROPETRO 11/11, XTC 12/12
Event: DRILLING	Start Date: 2/19/2012		End Date: 4/25/2012
Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	5:30 - 6:00	0.50	DRLPRO	07	A	P		RIG SERVICE. SERVICE TOP DRIVE. SERVICE GENERATORS. CHECK BRAKE ADJUSTMENT AND CHECK EMERGENCY STOP BUTTON.
	6:00 - 11:00	5.00	DRLPRO	02	D	P		DRILL 8156'- 8603' (447',89'/HR) TD 4/24/2012 11:00. WEIGHT ON BIT 18-25K. AVERAGE WEIGHT ON BIT 24K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. ON/OFF PSI 2800/2500. DIFFERENTIAL 300. TORQUE HIGH/LOW 12000/10300. OFF BOTTOM TORQUE 9400 STRING WEIGHT UP/DOWN/ROT 200/128/148. DRAG 52K. 9' NORTH AND 1' EAST OF CENTER @ TD'. SLIDE 0' SLIDE 0% ROTATE 100%. RUNNING SOLID CONTROL EQUIPMENT CONVENTIONAL TILL HEAVY MUD UP@ 8450'. (MUD OUT WT 9.0 VIS 32 / MUD IN WT 9.0/ VIS 32.) USED 24 BBLS FOR HOLE VOLUME. NO LOSSES. FLARE DIED DOWN TO 5' DRILL FLARE (3.5 HRS) TILL HEAVY MUD UP-5786 SCF (START HEAVY MUD UP @ 8450'. DISPLACED 790 BBLS OF 11.5# MUD INTO SYSTEM. DISPLACED OUT 780 BBLS OF 8.6# DRILL WATER INTO UPRIGHTS. WE ENDED UP WITH 10.6# MUD WITH 38 VIS AFTER DISPLACING IN HEAVY MUD.) STARTED WEIGHTING MUD UP WITH BAR @ 8550'. (NO LOSSES) MUD AT TD (MUD IN WT 11.0 VIS 38 MUD OUT 10.6 VIS 37) 1' FLARE AFTER HEAVY MUD UP 1/2 HR-28 SCF. (1 CASING JT BAD ON INSPECTION)
	11:00 - 14:00	3.00	CSGPRO	05	A	P		CIRCULATE AND CONDITION. RAISE MUD WT TO 11.3. PUMP 30 BBL 15% LCM SWEEP. CIRCULATE AROUND. WORK PIPE FULL JT WHILE CIRCULATING. CHECK FOR FLOW. NO FLOW. MUD IN WT 11.3 VIS 40. MUD OUT WT 11.1 VIS 39. MUD CLEAN COMING OVER SHAKERS BUT SLIGHTLY GAS CUT. MIX UP 60 BBL 13# PILL AND HOLD FOR DRY JOB. (1' FLARE FOR 1.5 HRS-83 SCF)
	14:00 - 21:30	7.50	CSGPRO	06	D	P		PUMP ROTATE OUT 5 JTS. TILL HOLE PULLED SLICK. PULLED ABOUT 50 K OVER OFF BOTTOM. PUMP DRY JOB @ 8300'. HOLE TAKING PROPER FLUID. NO FLOW ON FLOW CHECKS. PULL ROTATING HEAD RUBBER AT HEAVY WEIGHT DRILL PIPE. PULL OUT HEAVY WEIGHT DRILL PIPE. PULL EM TOOL AND BREAK DOWN DIRECTIONAL TOOLS FOR INSPECTION. BREAK BIT AND LAY DOWN MOTOR. PULL WEAR BUSHING. BREAK DOWN WEATHERFORD WEAR BUSHING PULLER. SET OUT SUBS FOR INSPECTION.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)			Spud Date: 2/20/2012
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD		Rig Name No: PROPETRO 11/11, XTC 12/12
Event: DRILLING	Start Date: 2/19/2012		End Date: 4/25/2012
Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	21:30 - 22:00	0.50	CSGPRO	12	C	P		HOLD SAFETY MEETING WITH KIMZEY CASING. (FUDY ELEWATE PRESENT FOR TSI). TAKE OFF RIG ELEVATORS AND INSTALL CASING ELEVATORS. RIG DOWN FLOOR TONGES AND RIG UP INTERGRATED TONGES.
	22:00 - 0:00	2.00	CSGPRO	12	C	P		MAKE UP 4.5" L-80 LTC AUTO FILL FLOAT SHOE ON SHOE SHOE JT WITH THREAD LOCK. MAKE UP 4.5" L-80 AUTO FILL FLOAT COLLAR W/ THREAD LOCK ON TOP OF SHOE JT. RUN CENTRALIZERS ON FIRST 3 JTS AND EVERY THIRD JT FOR TOTAL OF 15 JTS. INSTALL ROTATING HEAD @ 1800'. (RIG DOWN ALL NON KEY COMPONENTS TO GET READY FOR RIG MOVE.)
4/25/2012	0:00 - 6:30	6.50	CSGPRO	02	D	P		RAN CASING FROM 1800'-8592'. RUN A TOTAL OF 84 JTS OF 4.5" 11.6# I-80 LTC CASING (3602'). MAKE UP DQX CROSS OVER JT AND RIG UP TORQUE TURN. RUN A TOTAL 119 JTS OF 11.6# I-80 DQX CSG WITH TORQUE TURN (4990'). (TSI HAND FUDY ELELWAT WITNESSING CSG JOB). RAN CASING TO BOTTOM. NO BAD JOINTS ON RUN. FILLED CASING AND CIRCULATED AT 2300'. WASH THROUGH BRIDGE @ 5178'. GOOD CIRCULATION WITH NO LOSSES WAS ESTABLISHED. TOTAL OF 84 JTS OF 4.5" 11.6# I-80 LTC (3602') TOTAL 119 JTS OF 4.5" 11.6# I-80 DQX CSG (4990') SET FLOAT SHOE @ 8592.7 KB SET TOP OF FLOAT COLLAR @ 8549.0' KB. SET TOP OF MESA MARKER JT @ 6384.32 KB. SET TOP DQX TO LTC CROSS OVER JT @ 4989.8' KB.
	6:30 - 7:00	0.50	CSGPRO	05	D	P		CIRCULATE WITH 11.5# MUD 40 VIS. 3' FLARE FOR 15 MINUTES ON BOTTOMS UP GAS. TOTAL OF 141 SCF. GOOD CIRCULATIONS WITH NO LOSSES @ 450 GPM 900 PSI . HOLD SAFETY MEETING AND RIG DOWN CASING CREW. HOLD SAFETY MEETING AND RIG UP BAKER HUGHES. (CLEANING UNDER SHAKERS WITH VAC TRUCK)

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)		Spud Date: 2/20/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD		Rig Name No: PROPETRO 11/11, XTC 12/12
Event: DRILLING	Start Date: 2/19/2012		End Date: 4/25/2012
Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:00 - 10:00	3.00	CSGPRO	12	E	P		RIG UP CEMENT HEAD WITH TOP PLUG INSTALLED. PRESSURE TEST LINES TO 5000 PSI. PUMP 25 BBLS OF FRESH WATER. PUMP 161 BBLS (400 SX) OF 12.0# 2.26 YIELD 12.48 GAL/SK OF LEAD CEMENT. PUMP 239 BBLS (1025SX) OF 14.3# 1.31 YIELD 5.91 GAL/SK POZ 50/50 TAIL CEMENT. SHUT DOWN AND FLUSH LINES. DROP TOP PLUG DISPLACE WITH 132.9 BBLS OF FRESH WATER TREATED WITH CLAYFIX AND MAGNACIDE. FULL RETURNS THROUGH OUT ENTIRE JOB. RETURNED WITH 5 BBLS OF CEMENT. LIFT PSI OF 2425 @ 3 BBLS MINUTE. BUMP PLUG 3098 PSI. . PRESSURE HELD 5 MINUTES. FLOAT HELD. FLOW BACK 1.5 BBLS. ESTIMATED TOP OF CEMENT FOR LEAD 15'. ESTIMATED TOP OF CEMENT FOR TAIL 3700'. RIG DOWN CEMENTERS. FLUSH STACK WITH FRESH WATER.
	10:00 - 11:00	1.00	CSGPRO	14	A	P		RIG DOWN FLOW LINE. NIPPLE DOWN BOPE. NIPPLE DOWN CHOKE LINE. P/U STACK AND SET C-22 SLIPS AT 102K. CUT OFF CASING. STORED 790 BBLS OF 11.5# MUD IN UPRIGHTS. CLEAN PITS WITH VAC TRUCK. RELEASE RIG 4/25/2012 11:00.

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	BONANZA 1023-6P3CS (WHITE)	**Wellbore No.**	OH
Well Name	BONANZA 1023-6P3CS	**Wellbore Name**	BONANZA 1023-6P3CS
Report No.	1	**Report Date**	7/18/2012
Project	UTAH-UINTAH	**Site**	BONANZA 1023-6O PAD
Rig Name/No.		**Event**	COMPLETION
Start Date	7/18/2012	**End Date**	9/6/2012
Spud Date	2/20/2012	**Active Datum**	RKB @5,280.00usft (above Mean Sea Level)
UWI	SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0		

1.3 General

Contractor		**Job Method**		**Supervisor**	
Perforated Assembly		**Conveyed Method**			

1.4 Initial Conditions

Fluid Type		**Fluid Density**	
Surface Press		**Estimate Res Press**	
TVD Fluid Top		**Fluid Head**	
Hydrostatic Press		**Press Difference**	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	6,207.0 (usft)-8,390.0 (usft	**Start Date/Time**	7/19/2012 12:00AM
No. of Intervals	33	**End Date/Time**	7/19/2012 12:00AM
Total Shots	160	**Net Perforation Interval**	51.00 (usft)
Avg Shot Density	3.14 (shot/ft)	**Final Surface Pressure**	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

Date	Formation/ Reservoir	CCL@ (usft)	CCL-TS (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
7/19/2012 12:00AM	WASATCH/			6,207.0	6,208.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	

2.1 Perforated Interval (Continued)

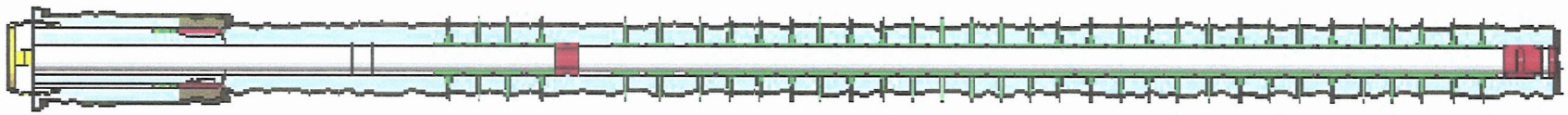
Date	Formation/ Reservoir	CCL@ (usft)	CCL-TS (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
7/19/2012 12:00AM	WASATCH/			6,248.0	6,250.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	WASATCH/			6,275.0	6,277.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	WASATCH/			6,370.0	6,373.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,063.0	7,066.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,178.0	7,181.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,428.0	7,429.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,461.0	7,462.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,486.0	7,487.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,560.0	7,561.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,569.0	7,570.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,607.0	7,609.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,689.0	7,692.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,725.0	7,727.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,750.0	7,751.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,772.0	7,774.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,803.0	7,804.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,821.0	7,822.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,842.0	7,843.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,890.0	7,891.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,929.0	7,930.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			7,940.0	7,941.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-TS (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
7/19/2012 12:00AM	MESAVERDE/			7,957.0	7,959.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			8,004.0	8,005.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			8,054.0	8,056.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			8,086.0	8,088.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			8,120.0	8,122.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			8,215.0	8,216.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			8,261.0	8,262.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			8,290.0	8,291.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			8,305.0	8,306.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			8,365.0	8,366.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
7/19/2012 12:00AM	MESAVERDE/			8,388.0	8,390.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	

3 Plots

3.1 Wellbore Schematic



US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)			Spud Date: 2/20/2012
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 7/18/2012		End Date: 9/6/2012
Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
2/20/2012	-							
7/18/2012	9:00 - 11:00	2.00	COMP	33	C	P		HSM. FILL SURFACE AND CSG W/ TMAC. RU B&C. PRES TEST CSG AND VALVES. BEGIN END LOST 1044# FOR 15 MIN 1038# -6# 3577# FOR 15 MIN 3552# -25# 7048# FOR 30 MIN 6873# -75# GOOD TEST. NO COMMUNICATION. BLEED OFF. RD B&C.
7/19/2012	7:00 - 13:00	6.00	COMP	37	B	P		HSM. MIRU CASED HOLE. RIH W/ 3-1/8" EXP PERF GUN (23 GR, 40" PENT, .36" EOD) AND PERF 8215'-8390' (21 HOLES) AS PER PROCEEDURE. SWIFWE.
7/25/2012	9:00 - 9:15	0.25	COMP	48		P		JSA-SAFETY MEETING

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)			Spud Date: 2/20/2012
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 7/18/2012		End Date: 9/6/2012
Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	9:15 - 18:00	8.75	COMP	36	E	P		FRAC STG 1)WHP 1424 PSI, BRK 4504 PSI @ 4.8 BPM. ISIP 2291 PSI, FG = 0.71. CALC PERFS OPEN @ 50.7 BPM @ 4116 PSI = 100% HOLES OPEN. (21/21 HOLES OPEN) ISIP 2361 PSI, FG = 0.72, NPI 70 PSI. MP 6050 PSI, MR 51.1 BPM, AP 4091 PSI, AR 50.7 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL. PERF STG 2)PU 4 1//2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @8152 ' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW. FRAC STG 2)WHP 2095 PSI, BRK 3684 PSI @ 4.7 BPM. ISIP 2204 PSI, FG = 0.71. CALC PERFS OPEN @ 50.6 BPM @ 4614 PSI = 100% HOLES OPEN. (22/22 HOLES OPEN) ISIP 2516 PSI, FG = 0.75, NPI 312 PSI. MP 5290 PSI, MR 50.8 BPM, AP 4522 PSI, AR 50.6 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL. PERF STG 3)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7979' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW. FRAC STG 3)WHP 2139 PSI, BRK 2543 PSI @ 4.7 BPM. ISIP 2175 PSI, FG = 0.71. CALC PERFS OPEN @ 50.4 BPM @ 5285 PSI = 96% HOLES OPEN. (23/24 HOLES OPEN) ISIP 2560 PSI, FG = 0.76, NPI 385 PSI. MP 5685 PSI, MR 50.9 BPM, AP 4781 PSI, AR 50.5 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL. PERF STG 4)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7793' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW. FRAC STG 4)WHP 2094 PSI, BRK 2935 PSI @ 4.7 BPM. ISIP 2155 PSI, FG .72. CALC PERFS OPEN @ 50.6 BPM @ 4563 PSI = 100% HOLES OPEN. (24/24 HOLES OPEN) ISIP 2246 PSI, FG .73, NPI 91 PSI. MP 4977 PSI, MR 51 BPM, AP 4570 PSI, AR 50.6 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL. PERF STG 5)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN,

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)			Spud Date: 2/20/2012
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 7/18/2012		End Date: 9/6/2012
Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
								23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7639' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.
7/26/2012	7:00 - 18:00	11.00	COMP	36	E	P		FRAC STG 5) WHP 1126 PSI, BRK 2976 PSI @ 4.4 BPM. ISIP 1501 PSI, FG .64. CALC PERFS OPEN @ 52.5 BPM @ 4292 PSI = 100% HOLES OPEN. (21/21 HOLES OPEN) ISIP 2108 PSI, FG .72, NPI 601 PSI. MP 4690 PSI, MR 52.9 BPM, AP 4216 PSI, AR 52.5 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL. PERF STG 6) PU 4 1//2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7,211' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW. FRAC STG 6) WHP 184 PSI, BRK 2145 PSI @ 4.4 BPM. ISIP 1236 PSI, FG .61. CALC PERFS OPEN @ 49.1 BPM @ 4959 PSI = 67% HOLES OPEN. (16/24 HOLES OPEN) ISIP 2592 PSI, FG .80, NPI 1356 PSI. MP 5143 PSI, MR 51.2 BPM, AP 4539 PSI, AR 50.1 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL. PERF STG 7) PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6,403' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW. FRAC STG 7) WHP 151 PSI, BRK 1432 PSI @ 3.9 BPM. ISIP 93 PSI, FG .45. DID NOT FRAC THIS STAGE, NEED TO CEMENT SQUEEZE THIS STAGE KILL PLUG) KILL PLUG WAS NOT SET TOTAL WATER = 6502 BBLS TOTAL SAND = 144655 #
9/5/2012	7:00 - 7:15	0.25	DRLOUT	48		P		HSM, SLIPS, TRIPS & FALLS, RIGGING UP & DOWN, PU TBG

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)		Spud Date: 2/20/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 7/18/2012		End Date: 9/6/2012
Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 17:00	9.75	DRLOUT	31	I	P		RD OFF BON 1023-602DS, MIRU, "0" WH PRESS, ND WH, NU BOP, RU FLOOR & TBG EQUIP, SPOT TBG TRAILER, TALLY & PU TBG TO 6,370', ((HOLE DIDN'T DISPLACE ANY FLUID)), RU P/S BREAK CIRC TOOK 100 BBLS TO START CIRC, SURFACE CSG VALVE OPEN & LOCKED, START D/O PLUGS. C/O 5' SAND, TAG 1ST PLUG @ 6,403' DRL PLUG IN 15 MIN. 0 PSI INCREASE RIH, CSG PRESS 0 PSI. WELL FLOWING ON IT'S OWN. C/O 20' SAND, TAG 2ND PLUG @ 7,211' DRL PLUG IN 12 MIN. 600 PSI INCREASE RIH, CSG PRESS 500 PSI. C/O 30' SAND, TAG 3RD PLUG @ 7,639' DRL PLUG IN 9 MIN. 0 PSI INCREASE RIH, CSG PRESS 300 PSI. C/O 30' SAND, TAG 4TH PLUG @ 7,793' DRL PLUG IN 15 MIN. 250 PSI INCREASE RIH, CSG PRESS 350 PSI. LET WELL CLEAN UP FOR 30 MIN, D/O REMAINING PLUGS IN AM, SWI, SDFN.
9/6/2012	7:00 - 7:15	0.25		48		P		HSM, SLIPS, TRIPS & FALLS, BLEEDING PRESS, LANDING TBG

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6P3CS (WHITE)			Spud Date: 2/20/2012
Project: UTAH-UINTAH	Site: BONANZA 1023-6O PAD		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 7/18/2012		End Date: 9/6/2012
Active Datum: RKB @5,280.00usft (above Mean Sea Level)	UWI: SW/SE/0/10/S/23/E/6/0/0/26/PM/S/158/E/0/2076/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 12:00	4.75		44	C	P		SICP 2,800 PSI, BLEED WELL DOWN OPEN RAMS, D/O REMAINING 2 PLUGS. C/O 25' SAND, TAG 5TH PLUG @ 7,979' DRL PLUG IN 13 MIN. 0 PSI INCREASE RIH, CSG PRESS 350 PSI. C/O 30' SAND, TAG 6TH PLUG @ 8,152' DRL PLUG IN 12 MIN. 500 PSI INCREASE RIH, CSG PRESS 450 PSI. PBTD @ 8,548', BTM PERF @ 8,390', RIH TAGGED @ 8,450', C/O FROM 8,450' TO 8,530', 140' PAST BTM PERF W/ 268 JTS 2 3/8" L-80 TBG, LD 17 JTS, PU & STRIP IN TBG HANGER & LAND TBG W/ 251 JTS 2 3/8" L-80, EOT 7,983.17'. RD POWER SWIVEL, FLOOR & TBG EQUIP, ND BOPS, NU WH, DROP BALL TO SHEAR OFF BIT 2,200 PSI, LET BIT FALL FOR 20 MIN. P/T FLOW LINE FROM WH TO HAL 9000 TO 3,000 PSI W/ RIG PUMP, NO VISIBLE LEAKS. TURN OVER TO FLOW BACK CREW, RD & TO ORIGINAL WELL ON PAD TO RTP. KB= 15' 4 1/16" WEATHERFORD HANGER= .83' TBG DELIVERED 283 JTS 251 JTS 2 3/8" L-80 = 7,965.14' TBG USED 251 JTS POBS= 2.20' TBG RETURNED 32 JTS EOT @ 7,983.17' TWTR= 6,502 BBLS TWR= 2,000 BBLS TWLTR= 4,502 BBLS
	12:00 - 12:00	0.00		50				WELL TURNED TO SALES @ 11:00 HR ON 9/6/2012. 3,400 MCFD, 1920 BWPD, FCP 2300#, FTP 1700#, 20/64" CK.

Project:	UTAH - UTM (feet), NAD27, Zone 12N
Site:	UINTAH_BONANZA 1023-6O Pad
Well:	BONANZA 1023-6P3CS
Wellbore:	BONANZA 1023-6P3CS
Section:	
SHL:	
Design:	BONANZA 1023-6P3CS (wp02)
Latitude:	39.971157
Longitude:	-109.366843
GL:	5265.00
KB:	5265' RKB + 15' GL @ 5280.00ft

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4185.00	4306.73	WASATCH
4785.00	4907.11	TOP OF CYLINDER
6293.00	6415.16	MESAVERDE
8461.00	8583.18	SEGO

WELL DETAILS: BONANZA 1023-6P3CS

Ground Level: 5265.00

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.00	0.00	14519731.70	2097999.18	39.971157	-109.366843	

CASING DETAILS

TVD	MD	Name	Size
2338.13	2423.30	8-5/8"	8-5/8

Azimuths to True North
Magnetic North: 10.93°

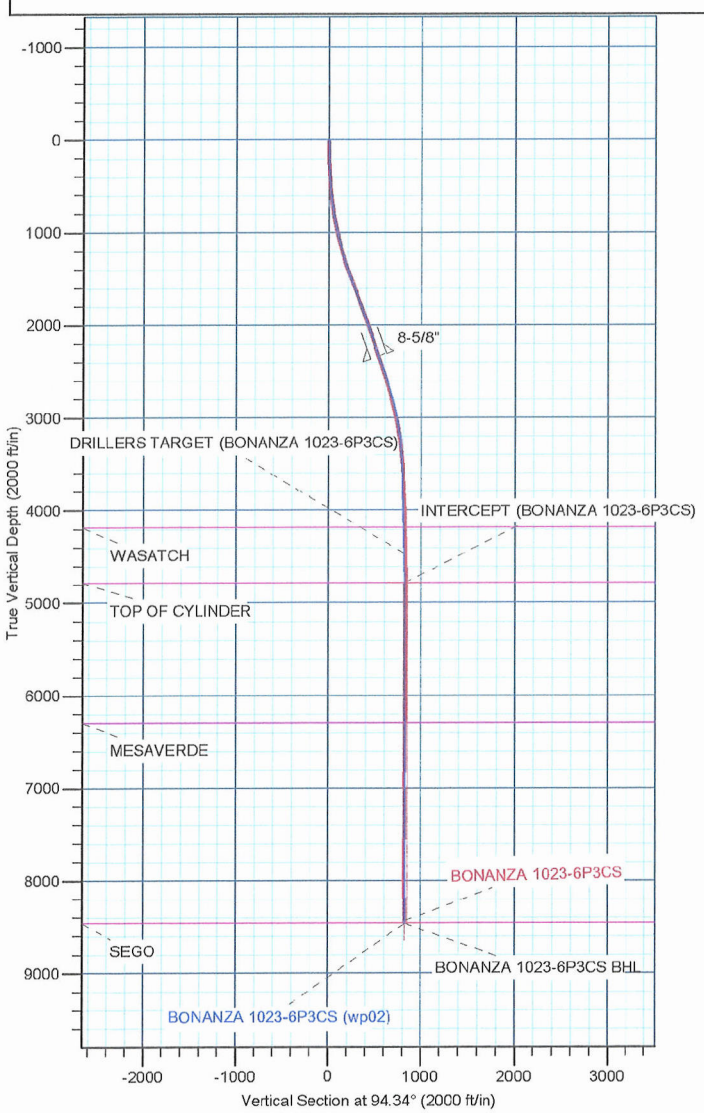
Magnetic Field
Strength: 52266.7snT
Dip Angle: 65.85°
Date: 1/31/2012
Model: IGRF2010

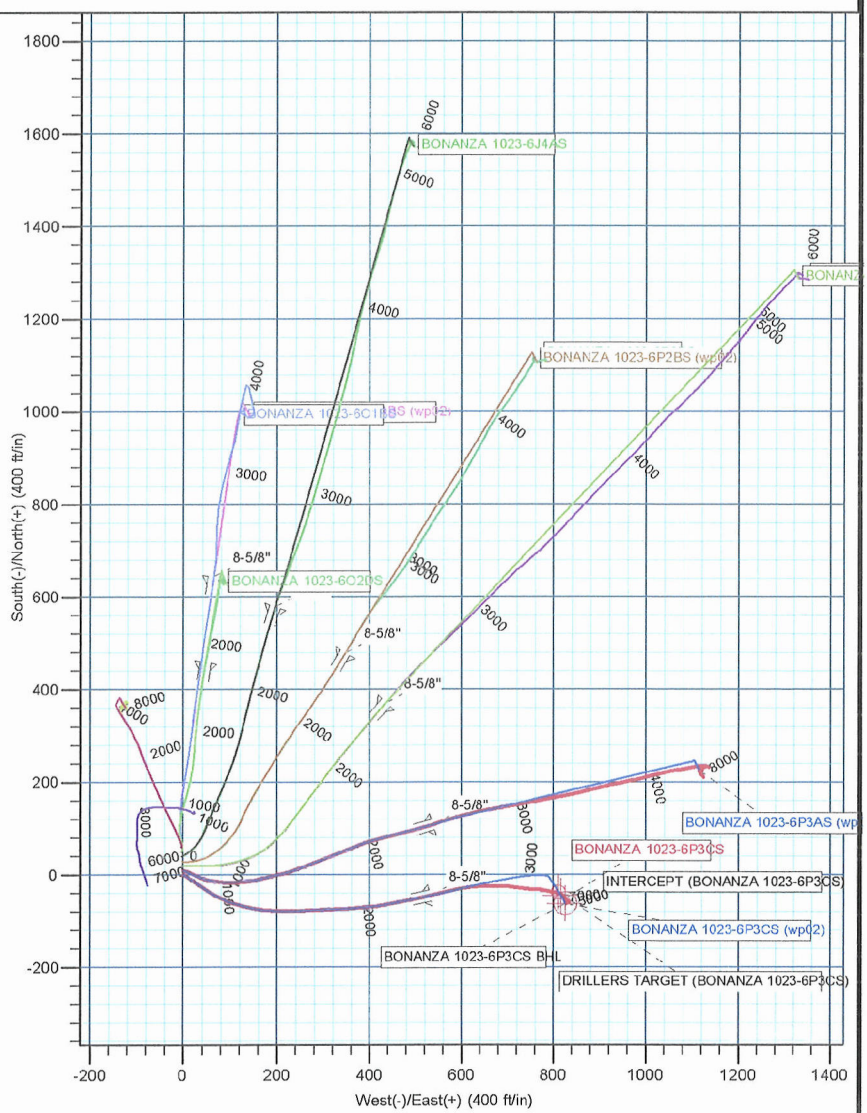
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
DRILLERS TARGET (BONANZA 1023-6P3CS)	4461.00	-37.63	810.88	14519708.93	2098810.61	39.971054	-109.363950	Circle (Radius: 15.00)
INTERCEPT (BONANZA 1023-6P3CS)	4785.00	-46.20	816.15	14519700.46	2098816.04	39.971030	-109.363931	Point
BONANZA 1023-6P3CS BHL	8461.00	-62.63	825.88	14519684.21	2098826.07	39.970985	-109.363896	Circle (Radius: 25.00)

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DIeg	TFace	VSect
2403.00	20.10	77.33	2319.07	-47.00	525.89	0.00	0.00	527.94
2673.00	20.10	77.33	2572.63	-26.65	616.42	0.00	0.00	616.67
3646.83	2.27	148.35	3525.62	-6.13	791.47	2.00	173.56	789.67
4582.95	2.27	148.35	4461.00	-37.63	810.88	0.00	0.00	811.40
5255.25	0.25	149.61	5133.11	-50.20	818.59	0.30	179.84	820.04
8583.18	0.25	149.61	8461.00	-62.63	825.88	0.00	0.00	828.25





US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N
UINTAH_BONANZA 1023-6O Pad
BONANZA 1023-6P3CS

BONANZA 1023-6P3CS

Design: BONANZA 1023-6P3CS

Standard Survey Report

29 August, 2012

Andarko Petroleum Corporation

Survey Report

Company:	US ROCKIES REGION PLANNING	**Local Co-ordinate Reference:**	Well BONANZA 1023-6P3CS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	**TVD Reference:**	5265' RKB + 15' GL @ 5280.00ft
Site:	UINTAH_BONANZA 1023-6O Pad	**MD Reference:**	5265' RKB + 15' GL @ 5280.00ft
Well:	BONANZA 1023-6P3CS	**North Reference:**	True
Wellbore:	BONANZA 1023-6P3CS	**Survey Calculation Method:**	Minimum Curvature
Design:	BONANZA 1023-6P3CS	**Database:**	edmp

Project	UTAH - UTM (feet), NAD27, Zone 12N		
Map System:	Universal Transverse Mercator (US Survey Feet)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	UINTAH_BONANZA 1023-6O Pad				
Site Position:		**Northing:**	14,519,801.55 usft	**Latitude:**	39.971349
From:	Lat/Long	**Easting:**	2,097,993.69 usft	**Longitude:**	-109.366858
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	1.05 °

Well	BONANZA 1023-6P3CS					
Well Position	**+N/-S**	0.00 ft	**Northing:**	14,519,731.71 usft	**Latitude:**	39.971157
	+E/-W	0.00 ft	**Easting:**	2,097,999.18 usft	**Longitude:**	-109.366843
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,265.00 ft

Wellbore	BONANZA 1023-6P3CS				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	1/31/2012	10.93	65.85	52,267

Design	BONANZA 1023-6P3CS					
Audit Notes:						
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**		11.00
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**		
	11.00	0.00	0.00	94.34		

Survey Program **Date** 8/29/2012

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
181.00	2,403.00	Survey #1 (BONANZA 1023-6P3CS)	MWD	MWD - STANDARD
2,502.00	8,603.00	Survey #2 (BONANZA 1023-6P3CS)	MWD	MWD - STANDARD

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11.00	0.00	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00
181.00	0.25	51.47	181.00	0.23	0.29	0.27	0.15	0.15	0.00
261.00	1.81	108.22	260.98	-0.06	1.63	1.63	2.11	1.95	70.94
351.00	2.47	134.79	350.92	-1.87	4.35	4.48	1.31	0.73	29.52
441.00	3.56	134.35	440.80	-5.19	7.73	8.10	1.21	1.21	-0.49
531.00	4.75	120.35	530.56	-9.02	12.94	13.59	1.73	1.32	-15.56
621.00	6.88	117.85	620.09	-13.42	20.92	21.88	2.38	2.37	-2.78
711.00	8.44	126.47	709.29	-19.87	31.00	32.42	2.15	1.73	9.58
801.00	10.30	127.35	798.09	-28.68	42.71	44.76	2.07	2.07	0.98
891.00	11.88	122.10	886.41	-38.48	56.96	59.70	2.08	1.76	-5.83

Andarko Petroleum Corporation

Survey Report

Company:	US ROCKIES REGION PLANNING	**Local Co-ordinate Reference:**	Well BONANZA 1023-6P3CS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	**TVD Reference:**	5265' RKB + 15' GL @ 5280.00ft
Site:	UINTAH_BONANZA 1023-6O Pad	**MD Reference:**	5265' RKB + 15' GL @ 5280.00ft
Well:	BONANZA 1023-6P3CS	**North Reference:**	True
Wellbore:	BONANZA 1023-6P3CS	**Survey Calculation Method:**	Minimum Curvature
Design:	BONANZA 1023-6P3CS	**Database:**	edmp

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
981.00	13.25	118.10	974.25	-48.26	73.90	77.34	1.80	1.52	-4.44
1,071.00	14.38	110.81	1,061.65	-57.09	93.45	97.50	2.30	1.26	-8.10
1,161.00	15.00	106.97	1,148.71	-64.46	115.04	119.58	1.28	0.69	-4.27
1,251.00	16.50	103.22	1,235.33	-70.79	138.62	143.58	2.01	1.67	-4.17
1,341.00	19.56	98.10	1,320.91	-75.83	165.99	171.25	3.83	3.40	-5.69
1,431.00	20.56	92.35	1,405.45	-78.60	196.70	202.08	2.46	1.11	-6.39
1,521.00	20.88	88.35	1,489.64	-78.79	228.52	233.82	1.61	0.36	-4.44
1,611.00	20.31	87.22	1,573.89	-77.57	260.15	265.28	0.77	-0.63	-1.26
1,701.00	20.25	88.22	1,658.31	-76.33	291.32	296.26	0.39	-0.07	1.11
1,791.00	20.06	87.97	1,742.80	-75.30	322.32	327.09	0.23	-0.21	-0.28
1,881.00	20.19	85.72	1,827.30	-73.59	353.23	357.78	0.87	0.14	-2.50
1,971.00	20.81	84.72	1,911.60	-70.96	384.64	388.90	0.79	0.69	-1.11
2,061.00	20.06	83.35	1,995.94	-67.70	415.89	419.82	0.99	-0.83	-1.52
2,151.00	18.44	80.35	2,080.91	-63.53	445.26	448.78	2.11	-1.80	-3.33
2,241.00	18.69	78.35	2,166.22	-58.23	473.41	476.46	0.76	0.28	-2.22
2,331.00	19.38	77.97	2,251.30	-52.21	502.14	504.65	0.78	0.77	-0.42
2,403.00	20.10	77.33	2,319.07	-47.00	525.89	527.94	1.04	1.00	-0.89
LAST SVY - TIE ON									
2,502.00	19.46	73.29	2,412.23	-38.53	558.29	559.60	1.52	-0.65	-4.08
2,593.00	18.94	78.46	2,498.18	-31.22	587.28	587.96	1.95	-0.57	5.68
2,684.00	18.06	83.09	2,584.48	-26.57	615.75	616.00	1.88	-0.97	5.09
2,774.00	15.94	88.96	2,670.55	-24.66	641.96	641.99	3.03	-2.36	6.52
2,865.00	15.00	89.34	2,758.25	-24.30	666.23	666.16	1.04	-1.03	0.42
2,956.00	14.44	93.59	2,846.26	-24.87	689.33	689.24	1.34	-0.62	4.67
3,047.00	12.31	97.46	2,934.79	-26.85	710.28	710.27	2.54	-2.34	4.25
3,137.00	11.25	96.09	3,022.90	-29.02	728.52	728.63	1.22	-1.18	-1.52
3,228.00	10.13	96.09	3,112.32	-30.81	745.31	745.50	1.23	-1.23	0.00
3,319.00	8.81	94.96	3,202.07	-32.26	760.21	760.47	1.46	-1.45	-1.24
3,410.00	6.69	88.96	3,292.24	-32.77	772.45	772.72	2.49	-2.33	-6.59
3,500.00	6.50	102.34	3,381.65	-33.76	782.67	782.98	1.72	-0.21	14.87
3,591.00	5.19	104.34	3,472.17	-35.88	791.69	792.14	1.46	-1.44	2.20
3,682.00	4.50	102.59	3,562.85	-37.68	799.16	799.72	0.78	-0.76	-1.92
3,773.00	3.31	105.71	3,653.64	-39.17	805.17	805.83	1.33	-1.31	3.43
3,864.00	2.81	105.59	3,744.51	-40.48	809.85	810.59	0.55	-0.55	-0.13
3,954.00	2.38	108.21	3,834.41	-41.66	813.75	814.57	0.50	-0.48	2.91
4,045.00	2.13	113.84	3,925.34	-42.93	817.09	818.00	0.37	-0.27	6.19
4,136.00	1.94	124.46	4,016.29	-44.49	819.91	820.93	0.46	-0.21	11.67
4,226.00	2.13	132.34	4,106.23	-46.48	822.40	823.56	0.38	0.21	8.76
4,317.00	1.94	140.09	4,197.17	-48.80	824.64	825.97	0.37	-0.21	8.52
4,408.00	2.00	139.96	4,288.12	-51.19	826.65	828.15	0.07	0.07	-0.14
4,499.00	1.94	142.09	4,379.06	-53.63	828.62	830.30	0.10	-0.07	2.34
4,589.00	1.75	146.59	4,469.02	-55.97	830.31	832.17	0.27	-0.21	5.00
4,680.00	1.69	155.59	4,559.98	-58.36	831.63	833.66	0.30	-0.07	9.89

Andarko Petroleum Corporation

Survey Report

Company:	US ROCKIES REGION PLANNING	**Local Co-ordinate Reference:**	Well BONANZA 1023-6P3CS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	**TVD Reference:**	5265' RKB + 15' GL @ 5280.00ft
Site:	UINTAH_BONANZA 1023-6O Pad	**MD Reference:**	5265' RKB + 15' GL @ 5280.00ft
Well:	BONANZA 1023-6P3CS	**North Reference:**	True
Wellbore:	BONANZA 1023-6P3CS	**Survey Calculation Method:**	Minimum Curvature
Design:	BONANZA 1023-6P3CS	**Database:**	edmp

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,770.00	2.06	161.71	4,649.93	-61.10	832.69	834.92	0.47	0.41	6.80
4,861.00	1.25	30.09	4,740.91	-61.80	833.70	835.98	3.34	-0.89	-144.64
4,952.00	1.31	25.59	4,831.89	-60.00	834.64	836.79	0.13	0.07	-4.95
5,042.00	1.00	334.21	4,921.87	-58.36	834.75	836.77	1.16	-0.34	-57.09
5,133.00	0.56	346.71	5,012.86	-57.22	834.30	836.24	0.52	-0.48	13.74
5,224.00	1.50	304.83	5,103.85	-56.10	833.22	835.08	1.26	1.03	-46.02
5,315.00	1.19	288.08	5,194.82	-55.13	831.34	833.13	0.55	-0.34	-18.41
5,405.00	0.56	265.33	5,284.81	-54.87	830.02	831.79	0.79	-0.70	-25.28
5,496.00	0.69	241.09	5,375.81	-55.18	829.09	830.89	0.32	0.14	-26.64
5,587.00	0.56	210.84	5,466.80	-55.82	828.39	830.24	0.38	-0.14	-33.24
5,678.00	0.88	193.09	5,557.79	-56.88	828.00	829.93	0.42	0.35	-19.51
5,769.00	0.94	175.21	5,648.78	-58.31	827.90	829.94	0.32	0.07	-19.65
5,859.00	1.25	179.34	5,738.77	-60.03	827.98	830.15	0.36	0.34	4.59
5,950.00	1.31	168.96	5,829.74	-62.04	828.19	830.51	0.26	0.07	-11.41
6,041.00	0.19	223.59	5,920.73	-63.17	828.28	830.69	1.33	-1.23	60.03
6,132.00	1.56	334.96	6,011.72	-62.16	827.65	829.99	1.80	1.51	122.38
6,222.00	1.38	328.71	6,101.69	-60.12	826.57	828.75	0.27	-0.20	-6.94
6,313.00	2.81	332.84	6,192.63	-57.20	824.99	826.95	1.58	1.57	4.54
6,402.00	2.75	330.84	6,281.53	-53.39	822.95	824.63	0.13	-0.07	-2.25
6,493.00	1.94	331.09	6,372.45	-50.14	821.14	822.58	0.89	-0.89	0.27
6,583.00	1.19	333.71	6,462.42	-47.97	819.99	821.27	0.84	-0.83	2.91
6,674.00	0.75	317.96	6,553.40	-46.68	819.17	820.36	0.56	-0.48	-17.31
6,765.00	0.44	327.09	6,644.40	-45.94	818.58	819.72	0.36	-0.34	10.03
6,855.00	0.06	166.59	6,734.40	-45.70	818.41	819.52	0.55	-0.42	-178.33
6,946.00	0.19	176.96	6,825.40	-45.90	818.43	819.55	0.14	0.14	11.40
7,037.00	0.44	155.46	6,916.39	-46.36	818.58	819.74	0.30	0.27	-23.63
7,128.00	0.81	176.21	7,007.39	-47.32	818.77	820.00	0.47	0.41	22.80
7,218.00	1.00	152.34	7,097.38	-48.65	819.17	820.51	0.46	0.21	-26.52
7,309.00	0.06	10.96	7,188.37	-49.31	819.55	820.93	1.15	-1.03	-155.36
7,400.00	1.50	338.71	7,279.36	-48.15	819.13	820.42	1.59	1.58	-35.44
7,490.00	1.31	334.21	7,369.34	-46.13	818.25	819.40	0.24	-0.21	-5.00
7,581.00	1.00	324.09	7,460.32	-44.55	817.34	818.36	0.41	-0.34	-11.12
7,672.00	0.81	325.59	7,551.31	-43.38	816.51	817.45	0.21	-0.21	1.65
7,762.00	0.31	348.21	7,641.30	-42.61	816.10	816.98	0.60	-0.56	25.13
7,853.00	0.19	116.09	7,732.30	-42.44	816.18	817.05	0.50	-0.13	140.53
7,944.00	0.38	113.34	7,823.30	-42.63	816.59	817.48	0.21	0.21	-3.02
8,035.00	0.63	141.34	7,914.30	-43.14	817.18	818.11	0.38	0.27	30.77
8,125.00	1.13	146.96	8,004.29	-44.27	817.98	818.98	0.56	0.56	6.24
8,216.00	1.31	144.71	8,095.27	-45.87	819.07	820.19	0.20	0.20	-2.47
8,307.00	1.50	151.84	8,186.24	-47.77	820.23	821.49	0.28	0.21	7.84
8,398.00	1.69	146.71	8,277.20	-49.94	821.53	822.95	0.26	0.21	-5.64
8,488.00	1.81	135.71	8,367.16	-52.06	823.25	824.83	0.40	0.13	-12.22
8,553.00	1.93	136.95	8,432.13	-53.60	824.71	826.41	0.19	0.18	1.91
last mwd survey									

Andarko Petroleum Corporation

Survey Report

Company:	US ROCKIES REGION PLANNING	**Local Co-ordinate Reference:**	Well BONANZA 1023-6P3CS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	**TVD Reference:**	5265' RKB + 15' GL @ 5280.00ft
Site:	UINTAH_BONANZA 1023-6O Pad	**MD Reference:**	5265' RKB + 15' GL @ 5280.00ft
Well:	BONANZA 1023-6P3CS	**North Reference:**	True
Wellbore:	BONANZA 1023-6P3CS	**Survey Calculation Method:**	Minimum Curvature
Design:	BONANZA 1023-6P3CS	**Database:**	edmp

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,603.00	1.93	136.95	8,482.10	-54.83	825.86	827.64	0.00	0.00	0.00
PROJECTION TO TD									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
2,403.00	2,319.07	-47.00	525.89	LAST SVY
2,403.00	2,319.07	-47.00	525.89	TIE ON
8,553.00	8,432.13	-53.60	824.71	last mwd survey
8,603.00	8,482.10	-54.83	825.86	PROJECTION TO TD

Checked By: _____ Approved By: _____ Date: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6304

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
Various	Ponderosa Wells						UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
	18421	19519				5/1/2012	

Comments: Move the attached wells into the Ponderosa unit. All wells are WSMVD. 11/16/2012

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

JAIME SCHARNOWSKE
Name (Please Print)
Signature
REGULATORY ANALYST 11/8/2012
Title **Date**

RECEIVED
NOV 08 2012
Div. of Oil, Gas & Mining

(5/2000)

Well Name	Quarter/Quarter	Section	Township	Range	APUI Number	County	New Entity Number	Formation
BONANZA 1023-6J2AS	NESW	6	10S	23E	4304751465	Uintah	18519	WSMVD
BONANZA 1023-6K1CS	NESW	6	10S	23E	4304751466	Uintah	18519	WSMVD
BONANZA 1023-6K2BS	NESW	6	10S	23E	4304751467	Uintah	18519	WSMVD
BONANZA 1023-6K2CS	NESW	6	10S	23E	4304751468	Uintah	18519	WSMVD
BONANZA 1023-6L2AS	NESW	6	10S	23E	4304751469	Uintah	18519	WSMVD
BONANZA 1023-6L2DS	NESW	6	10S	23E	4304751470	Uintah	18519	WSMVD
BONANZA 1023-6O1BS	SWSE	6	10S	23E	4304751473	Uintah	18519	WSMVD
BONANZA 1023-6O2DS	SWSE	6	10S	23E	4304751474	Uintah	18519	WSMVD
BONANZA 1023-6O3AS	SWSE	6	10S	23E	4304751475	Uintah	18519	WSMVD
BONANZA 1023-6P2BS	SWSE	6	10S	23E	4304751476	Uintah	18519	WSMVD
BONANZA 1023-6P3CS	SWSE	6	10S	23E	4304751478	Uintah	18519	WSMVD
BONANZA 1023-5J2DS	NESW	5	10S	23E	4304752063	Uintah	18519	WSMVD
BONANZA 1023-5K1BS	NESW	5	10S	23E	4304752064	Uintah	18519	WSMVD
BONANZA 1023-5K1CS	NESW	5	10S	23E	4304752065	Uintah	18519	WSMVD
BONANZA 1023-5K3DS	NESW	5	10S	23E	4304752066	Uintah	18519	WSMVD
BONANZA 1023-5L1DS	NESW	5	10S	23E	4304752067	Uintah	18519	WSMVD
BONANZA 1023-5L4AS	NESW	5	10S	23E	4304752068	Uintah	18519	WSMVD
BONANZA 1023-5L4DS	NESW	5	10S	23E	4304752069	Uintah	18519	WSMVD
BONANZA 1023-5O2AS	NESW	5	10S	23E	4304752070	Uintah	18519	WSMVD
BONANZA 1023-5E3BS	SWNW	5	10S	23E	4304752071	Uintah	18519	WSMVD
BONANZA 1023-5E3CS	SWNW	5	10S	23E	4304752072	Uintah	18519	WSMVD
BONANZA 1023-5L1AS	SWNW	5	10S	23E	4304752073	Uintah	18519	WSMVD
BONANZA 1023-5L3BS	SWNW	5	10S	23E	4304752074	Uintah	18519	WSMVD
BONANZA 1023-5M1AS	SWSW	5	10S	23E	4304752075	Uintah	18519	WSMVD
BONANZA 1023-5M1CS	SWSW	5	10S	23E	4304752076	Uintah	18519	WSMVD
BONANZA 1023-5M3BS	SWSW	5	10S	23E	4304752077	Uintah	18519	WSMVD
BONANZA 1023-5M3CS	SWSW	5	10S	23E	4304752078	Uintah	18519	WSMVD
BONANZA 1023-5N3CS	SWSW	5	10S	23E	4304752079	Uintah	18519	WSMVD
BONANZA 1023-5O4BS	SESE	5	10S	23E	4304752082	Uintah	18519	WSMVD
BONANZA 1023-5P1AS	SESE	5	10S	23E	4304752083	Uintah	18519	WSMVD
BONANZA 1023-5P1CS	SESE	5	10S	23E	4304752084	Uintah	18519	WSMVD
BONANZA 1023-5P4CS	SESE	5	10S	23E	4304752085	Uintah	18519	WSMVD
BONANZA 1023-5C4AS	NENW	5	10S	23E	4304752089	Uintah	18519	WSMVD
BONANZA 1023-5F2CS	NENW	5	10S	23E	4304752090	Uintah	18519	WSMVD
BONANZA 1023-5F3AS	NENW	5	10S	23E	4304752091	Uintah	18519	WSMVD
BONANZA 1023-5C2CS	NWNW	5	10S	23E	4304752092	Uintah	18519	WSMVD
BONANZA 1023-5D2DS	NWNW	5	10S	23E	4304752093	Uintah	18519	WSMVD
BONANZA 1023-5D3AS	NWNW	5	10S	23E	4304752094	Uintah	18519	WSMVD
BONANZA 1023-5E2AS	NWNW	5	10S	23E	4304752095	Uintah	18519	WSMVD
BONANZA 1023-6A1CS	NWNW	5	10S	23E	4304752096	Uintah	18519	WSMVD
BONANZA 1023-6I3AS	SWNW	5	10S	23E	4304752387	Uintah	18519	WSMVD
BONANZA 11-2	SWNW	11	10S	23E	4304734773	Uintah	18519	WSMVD
BONANZA 1023-6E4AS	SENW	6	10S	23E	4304751453	Uintah	18519	WSMVD
BONANZA 1023-6F1AS	SENW	6	10S	23E	4304751454	Uintah	18519	WSMVD
BONANZA 1023-6F1CS	SENW	6	10S	23E	4304751455	Uintah	18519	WSMVD
BONANZA 1023-6F4CS	SENW	6	10S	23E	4304751456	Uintah	18519	WSMVD
BONANZA 1023-6G2AS	SENW	6	10S	23E	4304751457	Uintah	18519	WSMVD
BONANZA 1023-6G4CS	SENW	6	10S	23E	4304751458	Uintah	18519	WSMVD
BONANZA 1023-6A3DS	SENE	6	10S	23E	4304751459	Uintah	18519	WSMVD
BONANZA 1023-6G1DS	SENE	6	10S	23E	4304751460	Uintah	18519	WSMVD
BONANZA 1023-6H1BS	SENE	6	10S	23E	4304751461	Uintah	18519	WSMVD
BONANZA 1023-6H2CS	SENE	6	10S	23E	4304751462	Uintah	18519	WSMVD
BONANZA 1023-6I2AS	SENE	6	10S	23E	4304751463	Uintah	18519	WSMVD
BONANZA 1023-6I3DS	SWSE	6	10S	23E	4304751471	Uintah	18519	WSMVD
BONANZA 1023-6J4AS	SWSE	6	10S	23E	4304751472	Uintah	18519	WSMVD
BONANZA 1023-6P3AS	SWSE	6	10S	23E	4304751477	Uintah	18519	WSMVD